

Converting Colors

XYZ(52.8861, 62.9338, 90.3828)

Have a look what the booklet for
XYZ(52.8861, 62.9338, 90.3828)
contains.

| | |
|--|----|
| XYZ(52.9769, 63.1320, 90.2824) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(52.9769, 63.1320,
90.2824)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 94DBEE |
| RGB | 148, 219, 238 |
| RGB Percent | 58%, 86%, 93% |
| CMY | 0.4196, 0.1412, 0.0667 |
| CMYK | 0.38, 0.08, 0.00, 0.07 |
| HSL | 193°, 73%, 76% |
| HSV | 193°, 38%, 93% |
| XYZ | 52.9769, 63.1320, 90.2824 |
| YIQ | 199.9370, -48.4150, -9.1430 |

Conversions

Conversions Part 2

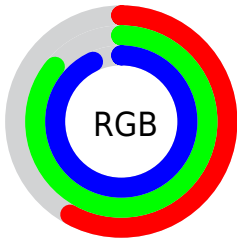
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 148, 188, 238 |
| Decimal | 9755630 |
| CIELab | 83.51, -17.45, -16.32 |
| CIElCh | 84, 23.890, 223.092 |
| Yxy | 63.1320, 0.2567, 0.3059 |
| Android (android.graphics.Color) | 4287945710 (0xFF94DBEE) |
| YUV | 199.9370, 18.7651, -45.5487 |
| Hunter-Lab | 79.4556, -20.0329, -11.7500 |

Details

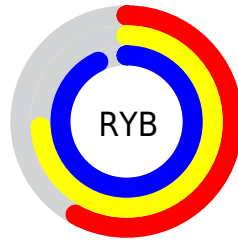
The XYZ color **52.9769, 63.1320, 90.2824** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.4250, 47.9537, 34.4061**, and the grayscale version is **54.7721, 57.6245, 62.7531**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **26.1326, 32.2036, 49.0946** is the 20% darker color. If you saturate the color by 10%, you get **47.8160, 58.5564, 89.6723**, and if you desaturate by 10%, it is **59.0663, 68.2479, 90.9500**.

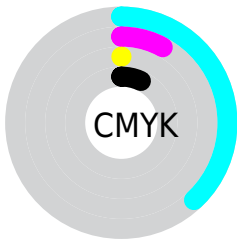
Distribution



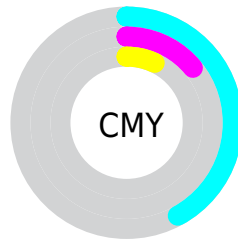
- Red (58%)
- Green (86%)
- Blue (93%)



- Red (58%)
- Yellow (74%)
- Blue (93%)



- Cyan (38%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)





- Cyan (42%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.9769, 63.1320, 90.2824 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 52.9769, 63.1320, 90.2824 by changing the saturation by 10% instead.


 52.9769, 63.1320,
90.2824


 52.9769, 63.1320,
90.2824


388.4588,
436.0484, 549.5428

 38.0117, 45.9480,
67.6399


 93.7361, 109.3599,
149.6695

 26.1691, 32.2048,
49.1399


 120.2609,
139.1726, 187.2512

 17.0835, 21.5180,
34.3641

151.3695,
173.9637, 230.6497

 10.3897, 13.5031,
22.8938

187.4274,
214.1176, 280.2835

 5.7223, 7.7759,
14.3106

228.8000,
260.0186, 336.5712

 2.7160, 3.9519,
8.1958

275.8525,

 1.0054, 1.6467,

312.0511, 399.9313

4.1309

328.9503,
370.5996, 470.7823

■ 0.0000, 0.3888,
1.6974

■ 0.0000, 0.0000,
0.3590

■ 52.9769, 63.1320,
90.2824

■ 52.9769, 63.1320,
90.2824

■ 47.8160, 58.5564,
89.6723

■ 59.0663, 68.2479,
90.9500

■ 43.5228, 54.4849,
89.1127

■ 66.1286, 73.9232,
91.6732

■ 40.0382, 50.8879,
88.6021

■ 74.2125, 80.1848,
92.4558

■ 37.2930, 47.7292,
88.1371

■ 83.3614, 87.0557,
93.2998

■ 35.2056, 44.9664,
87.7138

■ 89.0607, 92.2090,
93.9941

■ 33.6655, 42.5417,
87.3270

■ 90.5942, 95.2758,
94.5052

■ 33.3652, 42.0378,
87.2456

■ 92.1691, 98.4257,
95.0302

■ 92.4328, 98.9531,
95.1181

Harmonies

Analogous

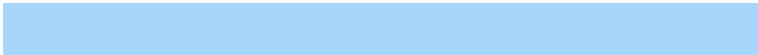
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.7594, 63.1320, 75.4515



52.9769, 63.1320, 90.2824



57.1359, 63.1320, 100.0364

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.9769, 63.1320, 90.2824



70.1184, 63.1320, 77.4344



57.7625, 63.1320, 44.3931

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



52.9769, 63.1320, 90.2824



54.4250, 47.9537, 34.4061

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.9687, 63.1320, 44.7640



52.9769, 63.1320, 90.2824



70.3103, 63.1320, 62.4389

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.9769, 63.1320, 90.2824



67.1187, 63.1320, 91.9141



67.6289, 63.1320, 50.9299



53.4127, 63.1320, 49.8305

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.9769, 63.1320, 90.2824



60.5474, 63.1320, 101.5848



67.6289, 63.1320, 50.9299



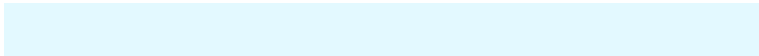
59.4660, 63.1320, 43.8688

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



52.9788, 63.1345, 90.2839



83.6129, 91.3429, 107.8318



49.6717, 70.1995, 47.0100



17.6174, 19.3356, 23.0536



0.0000, 0.0000, 0.0000



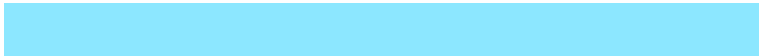
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.9788, 63.1345, 90.2839



57.4211, 69.8445, 105.0627



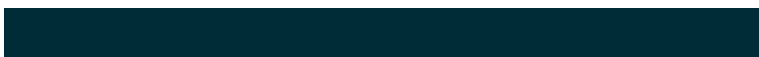
42.9769, 43.1306, 86.9499



15.9477, 17.3294, 20.2260



18.7114, 23.6471, 48.7060



1.6266, 2.1071, 4.0752

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58.6376, 44.4732, 72.5141



65.0470, 45.8463, 80.8575



63.9008, 66.9053, 37.5647



16.3030, 15.9709, 19.1519



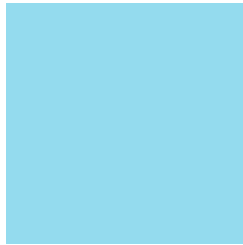
24.7703, 12.1805, 27.7705



2.0960, 1.0274, 2.4962

Previews

White Background



This preview shows how the XYZ color 52.9769, 63.1320, 90.2824 looks on a white background.

Color Contrast Check

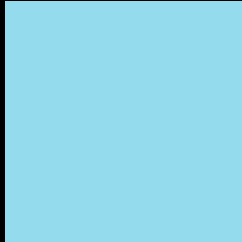
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 52.9769, 63.1320, 90.2824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

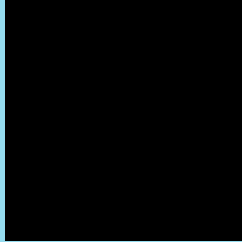
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.9769, 63.1320, 90.2824

Background



This preview shows how black text looks on a background with the XYZ color 52.9769, 63.1320, 90.2824.



This preview shows how white text looks on a background with the XYZ color 52.9769, 63.1320,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

52.9769, 63.1320, 90.2824

Protanopia

61.2561, 62.6932, 83.7354

Deuteranopia

64.0115, 62.5007, 92.6945



Tritanopia

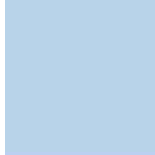
52.8303, 63.0734, 89.5107

Trichromacy



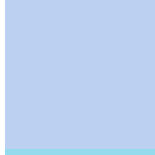
Original Color

52.9769, 63.1320, 90.2824



Protanomaly

57.7694, 62.6621, 86.1410



Deuteranomaly

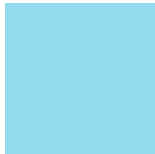
59.1721, 62.1540, 92.0973



Tritanomaly

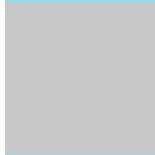
52.8303, 63.0734, 89.5107

Monochromacy



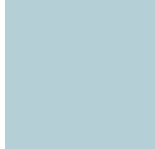
Original Color

52.9769, 63.1320, 90.2824



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

53.5065, 59.3044, 72.2451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9769, 63.1320, 90.2824 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(148, 219, 238)` looks like.

```
.text, #text, p{  
    color:rgb(148, 219, 238)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(148, 219, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 219, 238) }
```

Border

The CSS property to change the border of an element to XYZ 52.9769, 63.1320, 90.2824 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(148, 219, 238) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(148, 219, 238) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(148, 219, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 219, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 219, 238);  
box-shadow:4px 4px 4px 4px rgb(148, 219,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9769, 63.1320, 90.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 219, 238) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(148,  
219, 238) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor