

Converting Colors

XYZ(53.8018, 64.7465, 89.7824)

Have a look what the booklet for
XYZ(53.8018, 64.7465, 89.7824)
contains.

XYZ(53.8018, 64.7465, 89.7824)	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(53.8018, 64.7465,
89.7824)**

Conversions

Conversions Part 1

Format	Color
Hex	95DEED
RGB	149, 222, 237
RGB Percent	58%, 87%, 93%
CMY	0.4157, 0.1294, 0.0706
CMYK	0.37, 0.06, 0.00, 0.07
HSL	190°, 71%, 76%
HSV	190°, 37%, 93%
XYZ	53.8018, 64.7465, 89.7824
YIQ	201.8830, -48.3230, -10.8110

Conversions

Conversions Part 2

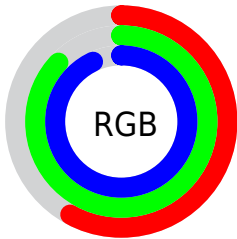
Format	Color
RYB	149, 189, 237
Decimal	9821933
CIELab	84.35, -18.95, -14.52
CIELCh	84, 23.873, 217.471
Yxy	64.7465, 0.2583, 0.3108
Android (android.graphics.Color)	4288012013 (0xFF95DEED)
YUV	201.8830, 17.3127, -46.3784
Hunter-Lab	80.4652, -21.4629, -9.8296

Details

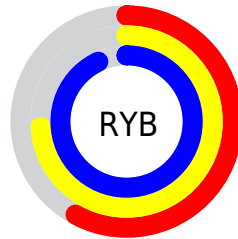
The XYZ color **53.8018, 64.7465, 89.7824** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.6265, 46.7264, 34.6283**, and the grayscale version is **55.9848, 58.9004, 64.1425**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **26.6734, 33.3008, 48.7379** is the 20% darker color. If you saturate the color by 10%, you get **48.8504, 60.6218, 89.2483**, and if you desaturate by 10%, it is **59.6626, 69.3812, 90.3692**.

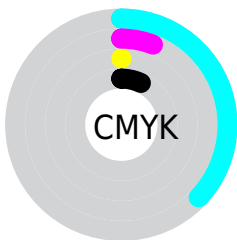
Distribution



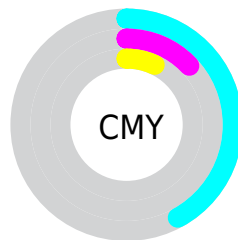
- Red (58%)
- Green (87%)
- Blue (93%)



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



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)





- Cyan (42%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8018, 64.7465, 89.7824 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 53.8018, 64.7465, 89.7824 by changing the saturation by 10% instead.


 53.8018, 64.7465,
89.7824


 53.8018, 64.7465,
89.7824

391.5645,
441.8804, 547.8746

 38.6733, 47.2556,
67.2275


 94.9418, 111.6853,
148.9690

 26.6852, 33.2377,
48.8068


 121.6839,
141.9020, 186.4377

 17.4723, 22.3086,
34.1017


153.0280,
177.1294, 229.7148

 10.6692, 14.0838,
22.6937

189.3393,
217.7518, 279.2188

 5.9105, 8.1790,
14.1644

230.9833,
264.1538, 335.3683

 2.8309, 4.2097,
8.0950

278.3252,

 1.0650, 1.7915,

316.7196, 398.5817

4.0672

331.7305,
375.8337, 469.2776

■ 0.0000, 0.4819,
1.6623

■ 0.0000, 0.0000,
0.3347

■ 53.8018, 64.7465,
89.7824

■ 53.8018, 64.7465,
89.7824

■ 48.8504, 60.6218,
89.2483

■ 59.6626, 69.3812,
90.3692

■ 44.7486, 56.9715,
88.7599

■ 66.4764, 74.5441,
91.0066

■ 41.4387, 53.7670,
88.3159

■ 74.2907, 80.2614,
91.6983

■ 38.8529, 50.9732,
87.9129

■ 83.1482, 86.5556,
92.4464

■ 36.9119, 48.5489,
87.5473

■ 88.3380, 90.9980,
93.0303

■ 35.5125, 46.4406,
87.2141

■ 89.5549, 93.4319,
93.4360

■ 35.1637, 45.8694,
87.1222

■ 90.7986, 95.9191,
93.8505

■ 92.0691, 98.4602,
94.2740

■ 92.2863, 98.8945,
94.3464

Harmonies

Analogous

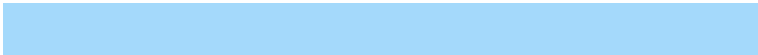
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.9796, 64.7465, 74.3605



53.8018, 64.7465, 89.7824



57.7175, 64.7465, 101.0334

Triad

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



53.8018, 64.7465, 89.7824



71.4392, 64.7465, 82.2804



60.2243, 64.7465, 45.3421

Complementary

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



53.8018, 64.7465, 89.7824



53.6265, 46.7264, 34.6283

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.



65.5268, 64.7465, 46.8329



53.8018, 64.7465, 89.7824



72.2053, 64.7465, 66.7714

Square

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



53.8018, 64.7465, 89.7824



67.9488, 64.7465, 96.2869



69.9859, 64.7465, 54.1937



55.5467, 64.7465, 49.7814

Rectangle

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



53.8018, 64.7465, 89.7824



61.0910, 64.7465, 103.8540



69.9859, 64.7465, 54.1937



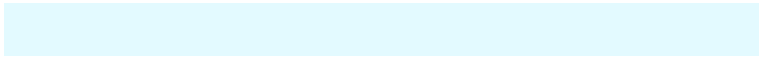
61.9904, 64.7465, 45.1789

Sweetspot

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



53.8038, 64.7490, 89.7839



83.9666, 92.0504, 107.9497



49.3509, 69.6276, 45.8046



17.7021, 19.5051, 23.0818



0.0000, 0.0000, 0.0000



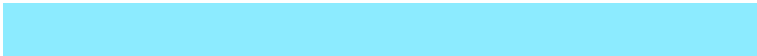
20.3446, 21.4041, 23.3091

Same Dimension

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



53.8038, 64.7490, 89.7839



58.7427, 72.4877, 105.5032



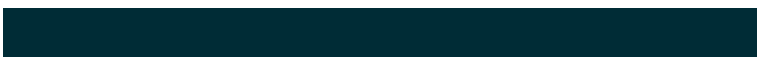
43.6690, 44.4794, 86.4056



15.2865, 16.6595, 19.3322



19.2828, 25.2126, 47.5932



1.5719, 2.0952, 3.7564

Inverse Universe

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



58.8590, 44.7752, 74.6502



65.7141, 46.1131, 84.3703



62.8260, 65.1254, 37.6947



15.5982, 15.2671, 18.4353



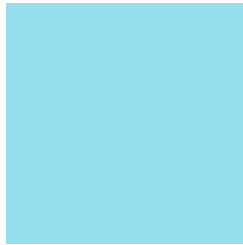
24.5884, 12.0380, 29.9634



1.9599, 0.9569, 2.5062

Previews

White Background



This preview shows how the XYZ color 53.8018, 64.7465, 89.7824 looks on a white background.

Color Contrast Check

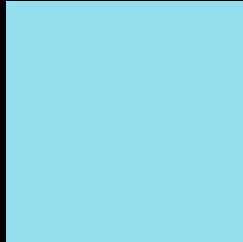
Large Text (above 18pt) WCAG AA × Fail

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 53.8018, 64.7465, 89.7824 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 53.8018, 64.7465, 89.7824

Background



This preview shows how black text looks on a background with the XYZ color 53.8018, 64.7465, 89.7824.

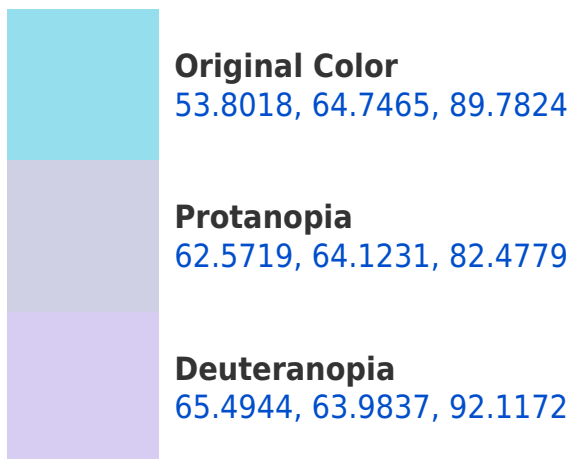


This preview shows how white text looks on a background with the XYZ color 53.8018, 64.7465,

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

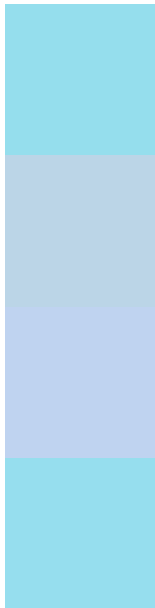




Tritanopia

54.2789, 64.9586, 91.3388

Trichromacy



Original Color

53.8018, 64.7465, 89.7824

Protanomaly

58.7116, 63.9228, 84.8452

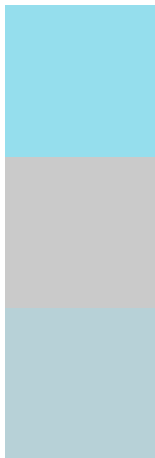
Deuteranomaly

60.5083, 63.9562, 91.5937

Tritanomaly

54.1316, 64.8996, 90.5628

Monochromacy



Original Color

53.8018, 64.7465, 89.7824

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

54.5946, 60.5745, 73.1046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8018, 64.7465, 89.7824 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(149, 222, 237)` looks like.

```
.text, #text, p{  
    color:rgb(149, 222, 237)  
}
```

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(149, 222, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 222, 237) }
```

Border

The CSS property to change the border of an element to XYZ 53.8018, 64.7465, 89.7824 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(149, 222, 237) }
```


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

```
.border{ border-color:rgb(149, 222, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 222, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 222, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 222, 237);  
box-shadow:4px 4px 4px 4px rgb(149, 222,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8018, 64.7465, 89.7824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 222, 237) }
```

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

```
.background{ background-color: rgb(149,  
222, 237) }
```

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