

Converting Colors

XYZ(53.0064, 62.1022, 83.1517)

Have a look what the booklet for
XYZ(53.0064, 62.1022, 83.1517)
contains.

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Color

**XYZ(52.9968, 62.1398,
83.3297)**

Conversions

Conversions Part 1

Format	Color
Hex	9FD8E5
RGB	159, 216, 229
RGB Percent	62%, 85%, 90%
CMY	0.3765, 0.1529, 0.1020
CMYK	0.31, 0.06, 0.00, 0.10
HSL	191°, 57%, 76%
HSV	191°, 31%, 90%
XYZ	52.9968, 62.1398, 83.3297
YIQ	200.4390, -38.1450, -8.0410

Conversions

Conversions Part 2

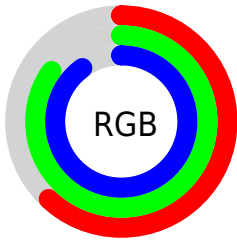
Format	Color
R_{YB}	159, 190, 229
Decimal	10475749
CIE _{Lab}	82.99, -15.14, -12.27
CIE _{LCh}	83, 19.486, 219.035
Yxy	62.1398, 0.2670, 0.3131
Android (android.graphics.Color)	4288665829 (0xFF9FD8E5)
YUV	200.4390, 14.0806, -36.3420
Hunter-Lab	78.8288, -17.9444, -7.4951

Details

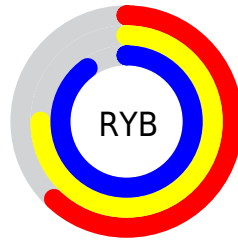
The XYZ color **52.9968, 62.1398, 83.3297** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.3245, 48.6668, 39.3855**, and the grayscale version is **55.1046, 57.9743, 63.1340**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **26.2105, 31.5490, 44.7525** is the 20% darker color. If you saturate the color by 10%, you get **47.7947, 57.8631, 82.7794**, and if you desaturate by 10%, it is **59.0721, 66.9115, 83.9316**.

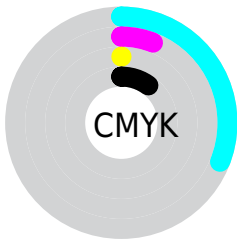
Distribution



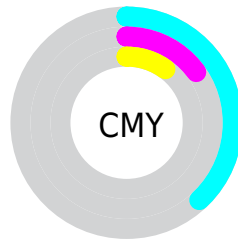
- Red (62%)
- Green (85%)
- Blue (90%)



- Red (62%)
- Yellow (75%)
- Blue (90%)



- Cyan (31%)
- Magenta (6%)
- Yellow (0%)
- Black (10%)





- Cyan (38%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9968, 62.1398, 83.3297 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 52.9968, 62.1398, 83.3297 by changing the saturation by 10% instead.


 52.9968, 62.1398,
83.3297


 52.9968, 62.1398,
83.3297


388.5339,
432.4409, 526.0844

 38.0277, 45.1457,
61.9200


 93.7652, 107.9276,
139.8905

 26.1815, 31.5722,
44.5327


 120.2952,
137.4900, 175.8787

 17.0929, 21.0349,
30.7492


151.4096,
172.0106, 217.5634

 10.3964, 13.1495,
20.1511

187.4736,
211.8739, 265.3632

 5.7269, 7.5316,
12.3198

228.8527,
257.4641, 319.6967

 2.7188, 3.7967,
6.8367

275.9122,

 1.0069, 1.5605,

309.1658, 380.9824

3.2833

329.0175,
367.3632, 449.6388

■ 0.0000, 0.3308,
1.2410

■ 0.0000, 0.0000,
0.0127

■ 52.9968, 62.1398,
83.3297

■ 52.9968, 62.1398,
83.3297

■ 47.7947, 57.8631,
82.7794

■ 59.0721, 66.9115,
83.9316

■ 43.4133, 54.0496,
82.2743

■ 66.0582, 72.1934,
84.5829

■ 39.8035, 50.6750,
81.8132

■ 73.9971, 78.0089,
85.2870

■ 36.9079, 47.7096,
81.3934

■ 82.9266, 84.3779,
86.0457

■ 34.6611, 45.1192,
81.0118

■ 85.7440, 87.6390,
86.5266

■ 32.9853, 42.8634,
80.6647

■ 86.9916, 90.1343,
86.9425

■ 31.8033, 40.9776,
80.3631

■ 88.2686, 92.6883,
87.3682

■ 89.5752, 95.3016,
87.8037

■ 90.9117, 97.9745,
88.2492

Harmonies

Analogous

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



51.4254, 62.1398, 71.3646



52.9968, 62.1398, 83.3297



56.2138, 62.1398, 91.6895

Triad

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



52.9968, 62.1398, 83.3297



66.9451, 62.1398, 76.2950



57.8004, 62.1398, 47.2561

Complementary

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



52.9968, 62.1398, 83.3297



53.3245, 48.6668, 39.3855

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.



62.0049, 62.1398, 48.2443



52.9968, 62.1398, 83.3297



67.4195, 62.1398, 64.0853

Square

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



52.9968, 62.1398, 83.3297



64.3063, 62.1398, 87.3047



65.5732, 62.1398, 54.0886



54.1109, 62.1398, 51.2076

Rectangle

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



52.9968, 62.1398, 83.3297



58.9258, 62.1398, 93.5771



65.5732, 62.1398, 54.0886



59.1984, 62.1398, 47.0327

Sweetspot

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



52.9987, 62.1423, 83.3311



85.7605, 93.2153, 108.0800



49.7491, 66.3829, 49.1384



18.0552, 19.7285, 23.1063



0.0000, 0.0000, 0.0000



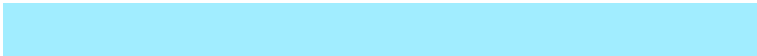
20.3446, 21.4041, 23.3091

Same Dimension

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



52.9987, 62.1423, 83.3311



63.1011, 75.6080, 105.8758



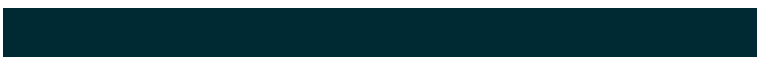
45.0001, 46.1451, 80.6649



14.5680, 15.8574, 18.4373



18.2660, 23.5942, 45.9746



1.4089, 1.8618, 3.4171

Inverse Universe

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



57.1074, 46.4137, 70.9173



69.2802, 52.7702, 87.0238



60.8448, 63.7075, 41.8922



14.8743, 14.5669, 17.5384



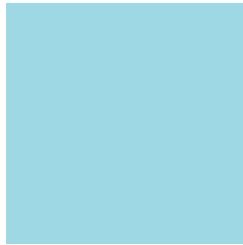
23.6134, 11.5796, 27.9226



1.7748, 0.8676, 2.2206

Previews

White Background



This preview shows how the XYZ color 52.9968, 62.1398, 83.3297 looks on a white background.

Color Contrast Check

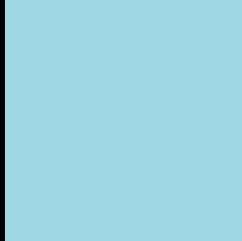
Large Text (above 18pt) WCAG AA × Fail

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 52.9968, 62.1398, 83.3297 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

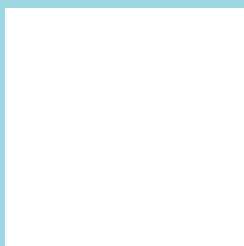
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.9968, 62.1398, 83.3297

Background



This preview shows how black text looks on a background with the XYZ color 52.9968, 62.1398, 83.3297.

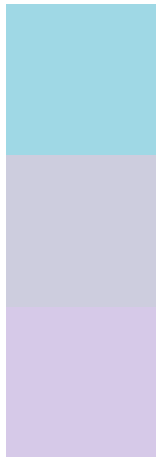


This preview shows how white text looks on a background with the XYZ color 52.9968, 62.1398,

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

52.9968, 62.1398, 83.3297

Protanopia

60.1930, 61.9157, 77.8857

Deuteranopia

63.1837, 61.8956, 84.9608



Tritanopia

53.5056, 61.9577, 86.2298

Trichromacy



Original Color

52.9968, 62.1398, 83.3297

Protanomaly

57.1301, 61.7285, 80.1379

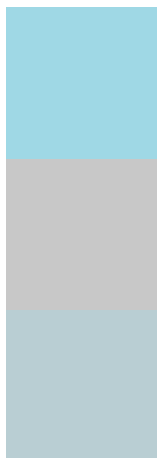
Deuteranomaly

58.7432, 61.3815, 84.3530

Tritanomaly

53.3631, 61.9007, 85.4794

Monochromacy



Original Color

52.9968, 62.1398, 83.3297

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

53.8368, 59.1600, 70.2095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9968, 62.1398, 83.3297 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(159, 216, 229)` looks like.

```
.text, #text, p{  
    color:rgb(159, 216, 229)  
}
```

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(159, 216, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 216, 229) }
```

Border

The CSS property to change the border of an element to XYZ 52.9968, 62.1398, 83.3297 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(159, 216, 229) }
```


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

```
.border{ border-color:rgb(159, 216, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 216, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 216, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 216, 229);  
box-shadow:4px 4px 4px 4px rgb(159, 216,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9968, 62.1398, 83.3297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 216, 229) }
```

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

```
.background{ background-color: rgb(159,  
216, 229) }
```

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](#).

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