

Converting Colors

XYZ(52.5453, 69.3898, 84.6501)

Have a look what the booklet for
XYZ(52.5453, 69.3898, 84.6501)
contains.

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Color

**XYZ(52.7533, 69.6630,
84.7947)**

Conversions

Conversions Part 1

Format	Color
Hex	80EBE5
RGB	128, 235, 229
RGB Percent	50%, 92%, 90%
CMY	0.4980, 0.0784, 0.1020
CMYK	0.46, 0.00, 0.03, 0.08
HSL	177°, 73%, 71%
HSV	177°, 46%, 92%
XYZ	52.7533, 69.6630, 84.7947
YIQ	202.3230, -61.8460, -24.5500

Conversions

Conversions Part 2

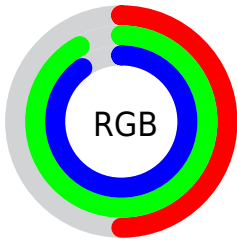
Format	Color
RYB	128, 183, 235
Decimal	8448997
CIELab	86.83, -32.33, -6.71
CIELCh	87, 33.023, 191.725
Yxy	69.6630, 0.2546, 0.3362
Android (android.graphics.Color)	4286639077 (0xFF80EBE5)
YUV	202.3230, 13.1518, -65.1813
Hunter-Lab	83.4644, -33.2425, -1.8100

Details

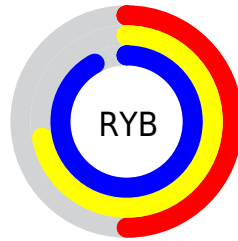
The XYZ color **52.7533, 69.6630, 84.7947** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.2856, 34.8238, 26.8389**, and the grayscale version is **56.2906, 59.2221, 64.4928**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **26.1440, 36.5251, 45.7165** is the 20% darker color. If you saturate the color by 10%, you get **49.4368, 67.9761, 83.6837**, and if you desaturate by 10%, it is **56.8938, 71.7778, 85.9546**.

Distribution



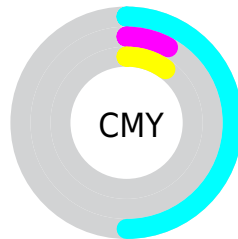
- Red (50%)
- Green (92%)
- Blue (90%)



- Red (50%)
- Yellow (72%)
- Blue (92%)



- Cyan (46%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)





- Cyan (50%)
- Magenta (8%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7533, 69.6630, 84.7947 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 52.7533, 69.6630, 84.7947 by changing the saturation by 10% instead.


 52.7533, 69.6630,
84.7947

 52.7533, 69.6630,
84.7947


387.6143,
459.3659, 531.0754


 37.8326, 51.2518,
63.1226

 93.4089, 118.7280,
141.9579

 26.0294, 36.4091,
45.4988


 119.8745,
150.1507, 178.2861

 16.9784, 24.7503,
31.5047


 150.9191,
186.6794, 220.3367

 10.3143, 15.8911,
20.7218

186.9080,
228.6984, 268.5283

 5.6717, 9.4471,
12.7315

228.2066,
276.5921, 323.2795

 2.6853, 5.0340,
7.1154

275.1803,

 0.9896, 2.2672,

330.7450, 385.0086

3.4548

328.1944,
391.5415, 454.1344

■ 0.0000, 0.7563,
1.3313

■ 0.0000, 0.0000,
0.0872

■ 52.7533, 69.6630,
84.7947

■ 52.7533, 69.6630,
84.7947

■ 49.4368, 67.9761,
83.6837

■ 56.8938, 71.7778,
85.9546

■ 46.8808, 66.6795,
82.6140


■ 61.9040, 74.3392,
87.1610


■ 45.0227, 65.7425,
81.5843


■ 67.8335, 77.3743,
88.4178


■ 43.7870, 65.1262,
80.5910


■ 74.7264, 80.9058,
89.7270


 43.0809, 64.7827,
79.6296


 82.6239, 84.9552,
91.0905

 42.8703, 64.6833,
79.2072

 86.2226, 86.7882,
92.2603

 86.4159, 86.8655,
93.2781

 86.6106, 86.9434,
94.3033

 86.8067, 87.0218,
95.3361

Harmonies

Analogous

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



53.1303, 69.6630, 63.3216



52.7533, 69.6630, 84.7947



55.7699, 69.6630, 107.7023

Triad

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



52.7533, 69.6630, 84.7947



76.5591, 69.6630, 112.0861



70.9626, 69.6630, 42.3029

Complementary

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



52.7533, 69.6630, 84.7947



46.2856, 34.8238, 26.8389

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.



77.8837, 69.6630, 50.9942



52.7533, 69.6630, 84.7947



81.2833, 69.6630, 89.9333

Square

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



52.7533, 69.6630, 84.7947



69.2659, 69.6630, 125.3802



81.7861, 69.6630, 67.5597



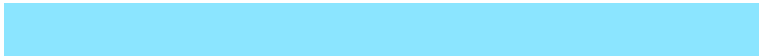
63.2504, 69.6630, 41.4594

Rectangle

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



52.7533, 69.6630, 84.7947



59.4466, 69.6630, 119.6368



81.7861, 69.6630, 67.5597



73.4734, 69.6630, 44.3119

Sweetspot

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



52.7553, 69.6657, 84.7963



82.7930, 93.7183, 106.6521



43.6199, 66.1399, 30.8909



17.3615, 19.8754, 22.7562



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.



52.7553, 69.6657, 84.7963



59.6064, 81.8715, 100.7641



42.0185, 46.8274, 85.4242



15.4791, 17.1064, 19.2055



23.8746, 36.0043, 44.1662



1.8859, 2.8317, 3.5269

Inverse Universe

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



46.2856, 34.8238, 26.8389



50.8935, 34.8850, 22.6647



53.3667, 49.6371, 27.1919



15.0997, 15.0677, 15.8104



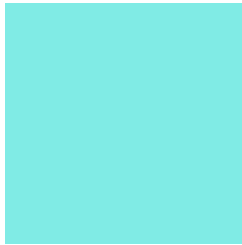
19.1234, 9.8521, 1.1854



1.5137, 0.7785, 0.1567

Previews

White Background



This preview shows how the XYZ color 52.7533, 69.6630, 84.7947 looks on a white background.

Color Contrast Check

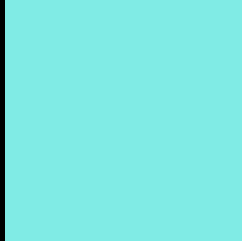
Large Text (above 18pt) WCAG AA × Fail

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 52.7533, 69.6630, 84.7947 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 52.7533, 69.6630, 84.7947

Background



This preview shows how black text looks on a background with the XYZ color 52.7533, 69.6630, 84.7947.

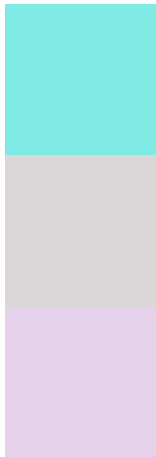


This preview shows how white text looks on a background with the XYZ color 52.7533, 69.6630,

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

52.7533, 69.6630, 84.7947

Protanopia

66.0382, 68.6707, 75.4198

Deuteranopia

70.2110, 68.6917, 87.4002



Tritanopia

55.9434, 69.6837, 100.9442

Trichromacy



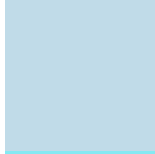
Original Color

52.7533, 69.6630, 84.7947



Protanomaly

59.4221, 67.9021, 78.3812



Deuteranomaly

61.6352, 67.6957, 86.1620



Tritanomaly

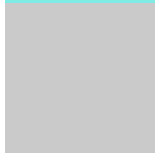
54.6816, 69.5942, 94.5554

Monochromacy



Original Color

52.7533, 69.6630, 84.7947



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.6094, 61.9606, 71.4214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7533, 69.6630, 84.7947 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(128, 235, 229)` looks like.

```
.text, #text, p{  
    color:rgb(128, 235, 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(128, 235, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 235, 229) }
```

Border

The CSS property to change the border of an element to XYZ 52.7533, 69.6630, 84.7947 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(128, 235, 229) }
```


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

```
.border{ border-color:rgb(128, 235, 229) }
```

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

Here you see how a box with a 4 pixel rgb(128, 235, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 235, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 235, 229);  
box-shadow:4px 4px 4px 4px rgb(128, 235,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7533, 69.6630, 84.7947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 235, 229) }
```

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

```
.background{ background-color: rgb(128,  
235, 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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