

Converting Colors

XYZ(52.1764, 69.1992, 88.5973)

Have a look what the booklet for
XYZ(52.1764, 69.1992, 88.5973)
contains.

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Color

**XYZ(52.1674, 69.2791,
88.4646)**

Conversions

Conversions Part 1

Format	Color
Hex	77EBEA
RGB	119, 235, 234
RGB Percent	47%, 92%, 92%
CMY	0.5333, 0.0784, 0.0823
CMYK	0.49, 0.00, 0.00, 0.08
HSL	179°, 74%, 69%
HSV	179°, 49%, 92%
XYZ	52.1674, 69.2791, 88.4646
YIQ	200.2020, -68.8150, -24.9030

Conversions

Conversions Part 2

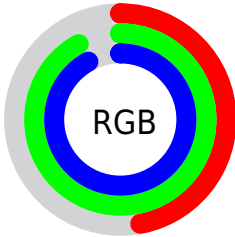
Format	Color
R _Y B	119, 177, 235
Decimal	7859178
CIE Lab	86.64, -33.05, -9.65
CIE LCh	87, 34.427, 196.286
Yxy	69.2791, 0.2485, 0.3300
Android (android.graphics.Color)	4286049258 (0xFF77EBEA)
YUV	200.2020, 16.6624, -71.2142
Hunter-Lab	83.2341, -33.7838, -4.7520

Details

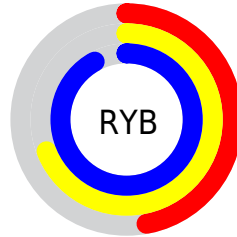
The XYZ color **52.1674, 69.2791, 88.4646** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.2503, 32.2141, 21.6575**, and the grayscale version is **54.9570, 57.8190, 62.9649**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **25.6773, 36.2388, 47.7609** is the 20% darker color. If you saturate the color by 10%, you get **49.3038, 67.8078, 88.1799**, and if you desaturate by 10%, it is **55.8325, 71.1668, 88.7900**.

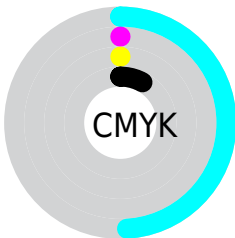
Distribution



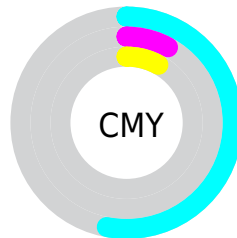
- Red (47%)
- Green (92%)
- Blue (92%)



- Red (47%)
- Yellow (69%)
- Blue (92%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)





- Cyan (53%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1674, 69.2791, 88.4646 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 52.1674, 69.2791, 88.4646 by changing the saturation by 10% instead.


 52.1674, 69.2791,
88.4646


 52.1674, 69.2791,
88.4646

385.3959,
458.0147, 543.4642


 37.3633, 50.9390,
66.1414


 92.5508, 118.1801,
147.1206

 25.6639, 36.1601,
47.9300

 118.8609,
149.5099, 184.2905

 16.7037, 24.5579,
33.4118

 149.7370,
185.9383, 227.2464

 10.1175, 15.7480,
22.1684

185.5446,
227.8499, 276.4068

 5.5398, 9.3460,
13.7812

226.6489,
275.6289, 332.1902

 2.6053, 4.9675,
7.8316

273.4153,

 0.9487, 2.2282,

329.6598, 395.0152

3.9012

326.2092,
390.3269, 465.3004

■ 0.0000, 0.7353,
1.5713

■ 0.0000, 0.0000,
0.2702

■ 52.1674, 69.2791,
88.4646

■ 52.1674, 69.2791,
88.4646

■ 49.3038, 67.8078,
88.1799

■ 55.8325, 71.1668,
88.7900

■ 47.1755, 66.7140,
87.9283


■ 60.3466, 73.4905,
89.1538


■ 45.7164, 65.9652,
87.7082


■ 65.7608, 76.2783,
89.5599


■ 44.8455, 65.5196,
87.5157


■ 72.1206, 79.5534,
90.0104


 44.4343, 65.3110,
87.3450


 79.4681, 83.3378,
90.5074

 44.4136, 65.3005,
87.3343

 85.9766, 86.6897,
90.9652

 86.0060, 86.7015,
91.1200

 86.0354, 86.7132,
91.2750

 86.0649, 86.7250,
91.4301

Harmonies

Analogous

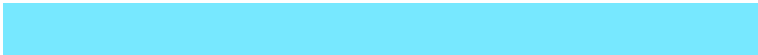
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.0146, 69.2791, 65.4702



52.1674, 69.2791, 88.4646



55.7859, 69.2791, 111.9373

Triad

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



52.1674, 69.2791, 88.4646



77.5950, 69.2791, 110.1292



69.5596, 69.2791, 40.2383

Complementary

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



52.1674, 69.2791, 88.4646



44.2503, 32.2141, 21.6575

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.



77.0520, 69.2791, 47.8775



52.1674, 69.2791, 88.4646



81.9386, 69.2791, 86.3588

Square

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



52.1674, 69.2791, 88.4646



70.2532, 69.2791, 126.0721



81.7322, 69.2791, 63.7488



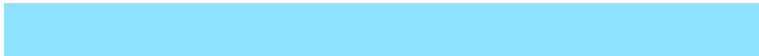
61.6303, 69.2791, 40.5756

Rectangle

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



52.1674, 69.2791, 88.4646



59.8571, 69.2791, 123.3448



81.7322, 69.2791, 63.7488



72.2253, 69.2791, 41.8795

Sweetspot

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



52.1695, 69.2818, 88.4662



82.2978, 93.4322, 108.0257



40.9161, 64.8114, 27.8079



17.2776, 19.8245, 23.0978



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.



52.1695, 69.2818, 88.4662



59.3744, 81.6326, 106.1417



38.7122, 42.1361, 84.6929



15.5118, 17.1195, 19.3778



24.7200, 36.3425, 48.6178



1.9429, 2.8545, 3.8273

Inverse Universe

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



44.2503, 32.2141, 21.6575



48.8396, 32.3092, 17.2569



52.9362, 49.6826, 24.2542



15.0708, 15.0562, 15.6580



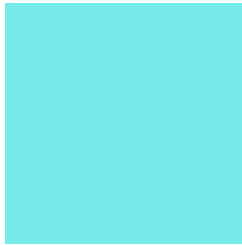
19.0764, 9.8332, 0.9375



1.4998, 0.7729, 0.0834

Previews

White Background



This preview shows how the XYZ color 52.1674, 69.2791, 88.4646 looks on a white background.

Color Contrast Check

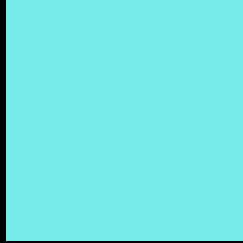
Large Text (above 18pt) WCAG AA × Fail

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 52.1674, 69.2791, 88.4646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

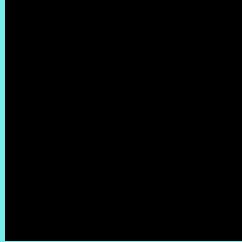
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.1674, 69.2791, 88.4646

Background



This preview shows how black text looks on a background with the XYZ color 52.1674, 69.2791, 88.4646.

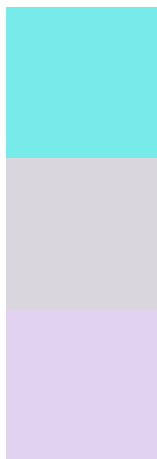


This preview shows how white text looks on a background with the XYZ color 52.1674, 69.2791,

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

52.1674, 69.2791, 88.4646

Protanopia

66.1448, 68.2725, 78.7989

Deuteranopia

69.6779, 68.3327, 91.1785



Tritanopia

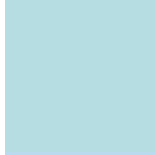
54.7266, 69.0382, 101.7081

Trichromacy



Original Color

52.1674, 69.2791, 88.4646



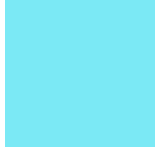
Protanomaly

59.1401, 67.6786, 81.8978



Deuteranomaly

60.8673, 67.2166, 89.8868



Tritanomaly

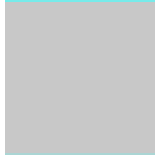
53.7887, 69.0814, 96.8853

Monochromacy



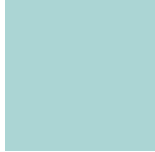
Original Color

52.1674, 69.2791, 88.4646



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.4725, 60.9999, 71.2959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1674, 69.2791, 88.4646 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(119, 235, 234)` looks like.

```
.text, #text, p{  
    color:rgb(119, 235, 234)  
}
```

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(119, 235, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 235, 234) }
```

Border

The CSS property to change the border of an element to XYZ 52.1674, 69.2791, 88.4646 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(119, 235, 234) }
```


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

```
.border{ border-color:rgb(119, 235, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 235, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 235, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 235, 234);  
box-shadow:4px 4px 4px 4px rgb(119, 235,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1674, 69.2791, 88.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 235, 234) }
```

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

```
.background{ background-color: rgb(119,  
235, 234) }
```

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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