

Converting Colors

XYZ(52.3341, 68.6874, 91.2663)

Have a look what the booklet for
XYZ(52.3341, 68.6874, 91.2663)
contains.

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Color

**XYZ(52.4632, 68.9406,
91.4307)**

Conversions

Conversions Part 1

Format	Color
Hex	77EAE6
RGB	119, 234, 238
RGB Percent	47%, 92%, 93%
CMY	0.5333, 0.0823, 0.0667
CMYK	0.50, 0.02, 0.00, 0.07
HSL	182°, 78%, 70%
HSV	182°, 50%, 93%
XYZ	52.4632, 68.9406, 91.4307
YIQ	200.0710, -69.8240, -23.1360

Conversions

Conversions Part 2

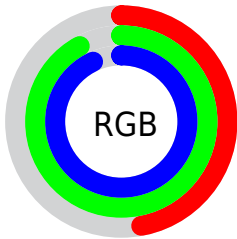
Format	Color
RYB	119, 177, 238
Decimal	7858926
CIELab	86.47, -31.55, -12.01
CIELCh	86, 33.759, 200.833
Yxy	68.9406, 0.2465, 0.3239
Android (android.graphics.Color)	4286049006 (0xFF77EAEE)
YUV	200.0710, 18.6990, -71.0993
Hunter-Lab	83.0305, -32.5173, -7.1671

Details

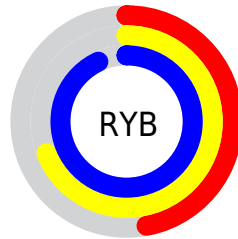
The XYZ color **52.4632, 68.9406, 91.4307** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.6740, 33.6763, 21.5475**, and the grayscale version is **54.8646, 57.7218, 62.8591**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **25.8852, 36.0025, 49.8408** is the 20% darker color. If you saturate the color by 10%, you get **49.3703, 67.0105, 91.2224**, and if you desaturate by 10%, it is **56.3790, 71.2996, 91.6809**.

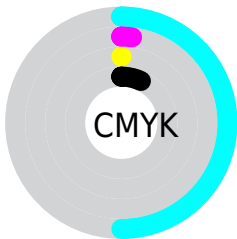
Distribution



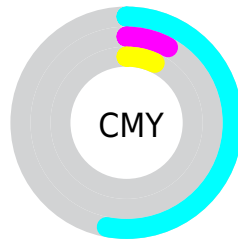
- Red (47%)
- Green (92%)
- Blue (93%)



- Red (47%)
- Yellow (69%)
- Blue (93%)



- Cyan (50%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (53%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4632, 68.9406, 91.4307 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 52.4632, 68.9406, 91.4307 by changing the saturation by 10% instead.

52.4632, 68.9406,
91.4307

52.4632, 68.9406,
91.4307

386.5169,
456.8214, 553.3637

37.6002, 50.6633,
68.5875

92.9842, 117.6967,
151.2769

25.8483, 35.9407,
49.9062

119.3729,
148.9444, 189.1171

16.8423, 24.3884,
34.9682

150.3341,
185.2843, 232.7932

10.2167, 15.6220,
23.3550

186.2334,
227.1009, 282.7240

5.6063, 9.2571,
14.6481

227.4359,
274.7785, 339.3279

2.6455, 4.9092,
8.4289

274.3071,

0.9692, 2.1941,

328.7015, 403.0234

4.2789

327.2123,
389.2544, 474.2292

■ 0.0000, 0.7168,
1.7796

■ 0.0000, 0.0000,
0.4144

■ 52.4632, 68.9406,
91.4307

■ 52.4632, 68.9406,
91.4307

■ 49.3703, 67.0105,
91.2224

■ 56.3790, 71.2996,
91.6809

■ 47.0318, 65.4694,
91.0482


■ 61.1674, 74.1083,
91.9706


■ 45.3788, 64.2830,
90.9063


■ 66.8812, 77.3957,
92.3040


■ 44.3264, 63.4079,
90.7929


■ 73.5674, 81.1859,
92.6832


 43.7313, 62.7700,
90.7011


 81.2700, 85.5015,
93.1102

 43.7312, 62.7699,
90.7011

 87.4812, 89.0499,
93.4678

 87.7156, 89.5186,
93.5459

 87.9510, 89.9894,
93.6243

 88.1874, 90.4623,
93.7032

Harmonies

Analogous

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



51.7847, 68.9406, 68.4161



52.4632, 68.9406, 91.4307



56.4876, 68.9406, 113.6106

Triad

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



52.4632, 68.9406, 91.4307



77.8782, 68.9406, 105.6519



67.9488, 68.9406, 40.0950

Complementary

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



52.4632, 68.9406, 91.4307



45.6740, 33.6763, 21.5475

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.



75.4804, 68.9406, 46.4025



52.4632, 68.9406, 91.4307



81.5055, 68.9406, 82.1304

Square

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



52.4632, 68.9406, 91.4307



71.0158, 68.9406, 122.8887



80.5948, 68.9406, 60.7782



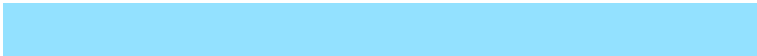
60.3266, 68.9406, 41.6036

Rectangle

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



52.4632, 68.9406, 91.4307



60.7159, 68.9406, 123.4840



80.5948, 68.9406, 60.7782



70.5836, 68.9406, 41.3156

Sweetspot

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



52.4653, 68.9433, 91.4323



81.9424, 92.6362, 108.1695



41.7570, 66.5017, 29.3651



17.1908, 19.6303, 23.1329



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.



52.4653, 68.9433, 91.4323



57.6715, 78.3288, 106.6871



38.2814, 40.5756, 86.7044



16.1992, 17.8325, 20.3098



24.4174, 35.0590, 50.6080



2.0455, 2.9449, 4.2148

Inverse Universe

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



56.7098, 37.3132, 82.0580



63.2247, 37.6561, 94.2632



55.4150, 53.1583, 24.7945



16.4300, 16.0217, 19.8205



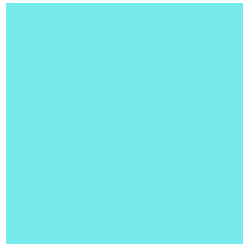
27.6504, 13.3326, 42.9370



2.3074, 1.1120, 3.6096

Previews

White Background



This preview shows how the XYZ color 52.4632, 68.9406, 91.4307 looks on a white background.

Color Contrast Check

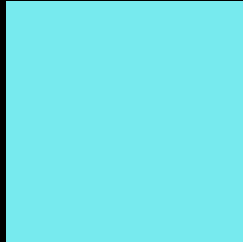
Large Text (above 18pt) WCAG AA × Fail

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 52.4632, 68.9406, 91.4307 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 52.4632, 68.9406, 91.4307

Background



This preview shows how black text looks on a background with the XYZ color 52.4632, 68.9406, 91.4307.

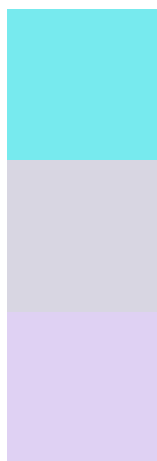


This preview shows how white text looks on a background with the XYZ color 52.4632, 68.9406,

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

52.4632, 68.9406, 91.4307

Protanopia

66.0929, 68.1831, 81.6287

Deuteranopia

69.4096, 67.7600, 94.2147



Tritanopia

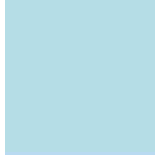
54.4376, 68.8892, 101.6946

Trichromacy



Original Color

52.4632, 68.9406, 91.4307



Protanomaly

59.1954, 67.2498, 84.7235



Deuteranomaly

60.9562, 66.8080, 92.9016



Tritanomaly

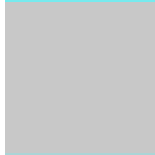
53.7995, 69.0692, 97.6849

Monochromacy



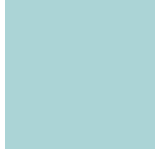
Original Color

52.4632, 68.9406, 91.4307



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.4757, 60.5999, 72.5495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4632, 68.9406, 91.4307 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, 234, 238)` looks like.

```
.text, #text, p{  
    color:rgb(119, 234, 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(119, 234, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 234, 238) }
```

Border

The CSS property to change the border of an element to XYZ 52.4632, 68.9406, 91.4307 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, 234, 238) }
```


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

```
.border{ border-color:rgb(119, 234, 238) }
```

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

Here you see how a box with a 4 pixel rgb(119, 234, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 234, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 234, 238);  
box-shadow:4px 4px 4px 4px rgb(119, 234,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4632, 68.9406, 91.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 234, 238) }
```

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

```
.background{ background-color: rgb(119,  
234, 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](#).

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