

Converting Colors

XYZ(45.4702, 50.3737, 93.1510)

Have a look what the booklet for
XYZ(45.4702, 50.3737, 93.1510)
contains.

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Color

**XYZ(45.5171, 50.5484,
92.9458)**

Conversions

Conversions Part 1

Format	Color
Hex	85C3F4
RGB	133, 195, 244
RGB Percent	52%, 76%, 96%
CMY	0.4784, 0.2353, 0.0431
CMYK	0.45, 0.20, 0.00, 0.04
HSL	206°, 83%, 74%
HSV	206°, 45%, 96%
XYZ	45.5171, 50.5484, 92.9458
YIQ	182.0480, -52.6810, 2.0950

Conversions

Conversions Part 2

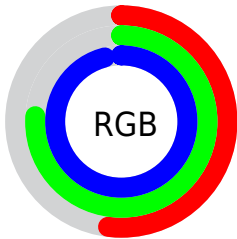
Format	Color
RYB	133, 173, 244
Decimal	8766452
CIELab	76.40, -7.11, -30.40
CIELCh	76, 31.225, 256.836
Yxy	50.5484, 0.2408, 0.2674
Android (android.graphics.Color)	4286956532 (0xFF85C3F4)
YUV	182.0480, 30.5423, -43.0151
Hunter-Lab	71.0974, -10.1434, -27.7418

Details

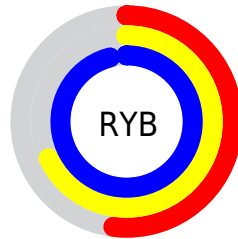
The XYZ color **45.5171, 50.5484, 92.9458** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.2712, 54.3840, 29.6180**, and the grayscale version is **44.3505, 46.6602, 50.8129**.

A 20% lighter version of the original color is **73.7824, 87.1615, 107.5429**, and **21.5036, 24.1764, 51.1101** is the 20% darker color. If you saturate the color by 10%, you get **39.7762, 44.1354, 92.0115**, and if you desaturate by 10%, it is **52.3301, 57.7747, 93.9825**.

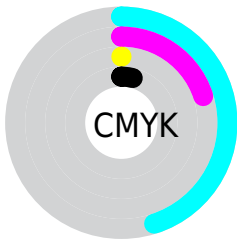
Distribution



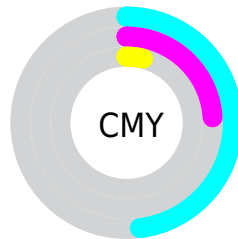
- Red (52%)
- Green (76%)
- Blue (96%)



- Red (52%)
- Yellow (68%)
- Blue (96%)



- Cyan (45%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)



- Cyan (48%)
- Magenta (24%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5171, 50.5484, 92.9458 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 45.5171, 50.5484, 92.9458 by changing the saturation by 10% instead.

■ 45.5171, 50.5484,
92.9458

■ 45.5171, 50.5484,
92.9458

359.6124,
388.8067, 558.3830

■ 32.0679, 35.8493,
69.8390

■ 82.7281, 90.9869,
153.3946

■ 21.5692, 24.3179,
50.9193

■ 107.2207,
117.4951, 191.5738

■ 13.6555, 15.5696,
35.7681

■ 136.1251,
148.7085, 235.6141

■ 7.9616, 9.2201,
23.9669

169.8067,
185.0114, 285.9342

■ 4.1220, 4.8850,
15.0971

208.6309,
226.7883, 342.9527

■ 1.7714, 2.1800,
8.7402

252.9630,

■ 0.5003, 0.7090,

274.4235, 407.0879

4.4776

303.1684,
328.3015, 478.7585

■ 0.0000, 0.0000,
1.8908

■ 0.0000, 0.0000,
0.4869

■ 45.5171, 50.5484,
92.9458

■ 45.5171, 50.5484,
92.9458

■ 39.7762, 44.1354,
92.0115

■ 52.3301, 57.7747,
93.9825

■ 35.0359, 38.4902,
91.1717

■ 60.2706, 65.8448,
95.1216

■ 31.2232, 33.5706,
90.4231

■ 69.3957, 74.7945,
96.3681

■ 28.2513, 29.3262,
89.7604

■ 79.7572, 84.6553,
97.7254

■ 26.0140, 25.6961,
89.1777

■ 91.4014, 95.4559,
99.1964

■ 25.1743, 24.2217,
88.9374

■ 93.3293, 99.3117,
99.8390

Harmonies

Analogous

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



40.7220, 50.5484, 82.1783



45.5171, 50.5484, 92.9458



51.3924, 50.5484, 92.1866

Triad

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



45.5171, 50.5484, 92.9458



59.6919, 50.5484, 46.1875



40.2651, 50.5484, 35.7362

Complementary

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



45.5171, 50.5484, 92.9458



58.2712, 54.3840, 29.6180

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.



44.8457, 50.5484, 29.5115



45.5171, 50.5484, 92.9458



56.1966, 50.5484, 34.6478

Square

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



45.5171, 50.5484, 92.9458



59.9088, 50.5484, 62.7422



50.6643, 50.5484, 29.1587



37.8605, 50.5484, 47.9929

Rectangle

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



45.5171, 50.5484, 92.9458



55.1426, 50.5484, 85.2143



50.6643, 50.5484, 29.1587



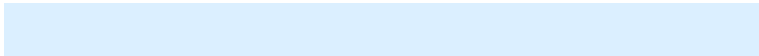
41.5837, 50.5484, 32.9885

Sweetspot

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



45.5188, 50.5503, 92.9470



78.2908, 84.2006, 106.7337



50.3758, 73.0295, 55.2127



16.2569, 17.5396, 22.7786



0.0000, 0.0000, 0.0000



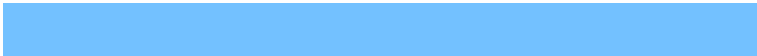
20.3446, 21.4041, 23.3091

Same Dimension

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



45.5188, 50.5503, 92.9470



44.1769, 49.0269, 101.7425



35.4403, 30.3933, 89.5875



16.3489, 17.4622, 21.0514



13.8268, 13.4474, 48.4049



1.3176, 1.3866, 4.2884

Inverse Universe

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



55.5475, 39.9500, 56.4151



56.9777, 37.3187, 54.7039



71.7115, 81.2647, 34.0981



16.8867, 16.6375, 19.1500



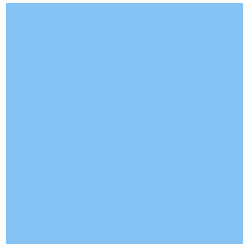
22.7836, 11.4569, 14.1009



2.0541, 1.0276, 1.5113

Previews

White Background



This preview shows how the XYZ color 45.5171, 50.5484, 92.9458 looks on a white background.

Color Contrast Check

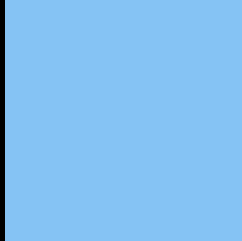
Large Text (above 18pt) WCAG AA × Fail

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 45.5171, 50.5484, 92.9458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

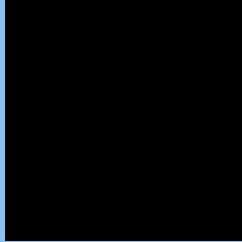
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.5171, 50.5484, 92.9458

Background



This preview shows how black text looks on a background with the XYZ color 45.5171, 50.5484, 92.9458.



This preview shows how white text looks on a background with the XYZ color 45.5171, 50.5484,

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

45.5171, 50.5484, 92.9458

Protanopia

50.5242, 50.3462, 87.1756

Deuteranopia

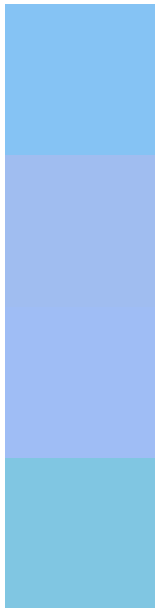
51.4391, 50.3504, 94.1962



Tritanopia

41.5064, 50.6264, 72.5500

Trichromacy



Original Color

45.5171, 50.5484, 92.9458

Protanomaly

48.4230, 50.1600, 89.5678

Deuteranomaly

48.9771, 50.3587, 93.5250

Tritanomaly

42.8236, 50.4683, 79.4358

Monochromacy



Original Color

45.5171, 50.5484, 92.9458

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.0996, 47.8409, 64.6675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5171, 50.5484, 92.9458 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(133, 195, 244)` looks like.

```
.text, #text, p{  
    color:rgb(133, 195, 244)  
}
```

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(133, 195, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 195, 244) }
```

Border

The CSS property to change the border of an element to XYZ 45.5171, 50.5484, 92.9458 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(133, 195, 244) }
```


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

```
.border{ border-color:rgb(133, 195, 244) }
```

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

Here you see how a box with a 4 pixel rgb(133, 195, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 195, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 195, 244);  
box-shadow:4px 4px 4px 4px rgb(133, 195,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5171, 50.5484, 92.9458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 195, 244) }
```

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

```
.background{ background-color: rgb(133,  
195, 244) }
```

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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