

Converting Colors

XYZ(42.5068, 50.5820, 96.2822)

Have a look what the booklet for
XYZ(42.5068, 50.5820, 96.2822)
contains.

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Color

**XYZ(42.5273, 50.6273,
96.3375)**

Conversions

Conversions Part 1

Format	Color
Hex	61C8F8
RGB	97, 200, 248
RGB Percent	38%, 78%, 97%
CMY	0.6196, 0.2157, 0.0274
CMYK	0.61, 0.19, 0.00, 0.03
HSL	199°, 92%, 68%
HSV	199°, 61%, 97%
XYZ	42.5273, 50.6273, 96.3375
YIQ	174.6750, -76.7960, -6.9080

Conversions

Conversions Part 2

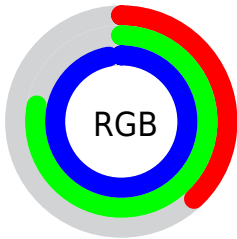
Format	Color
R _Y B	97, 158, 248
Decimal	6408440
CIE Lab	76.45, -16.08, -32.60
CIE LCh	76, 36.351, 243.750
Yxy	50.6273, 0.2244, 0.2672
Android (android.graphics.Color)	4284598520 (0xFF61C8F8)
YUV	174.6750, 36.1492, -68.1210
Hunter-Lab	71.1529, -17.8300, -30.4688

Details

The XYZ color **42.5273, 50.6273, 96.3375** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.9961, 41.0724, 16.5511**, and the grayscale version is **40.4292, 42.5346, 46.3202**.

A 20% lighter version of the original color is **68.1081, 86.1109, 107.6391**, and **19.7079, 24.3323, 52.9481** is the 20% darker color. If you saturate the color by 10%, you get **38.5073, 45.9149, 95.6408**, and if you desaturate by 10%, it is **47.4705, 55.9574, 97.1067**.

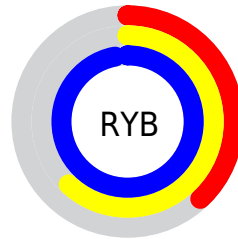
Distribution



Red (38%)

Green (78%)

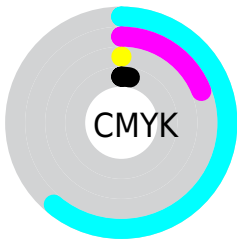
Blue (97%)



Red (38%)

Yellow (62%)

Blue (97%)

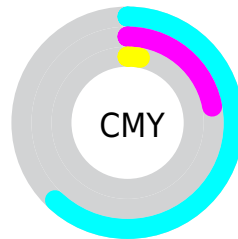


Cyan (61%)

Magenta (19%)

Yellow (0%)

Black (3%)



Cyan (62%)

Magenta (22%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5273, 50.6273, 96.3375 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 42.5273, 50.6273, 96.3375 by changing the saturation by 10% instead.

42.5273, 50.6273,
96.3375

42.5273, 50.6273,
96.3375

347.6187,
389.1140, 569.5314

29.7073, 35.9121,
72.6457

78.2572, 91.1036,
158.1226

19.7635, 24.3663,
53.1962

101.8979,
117.6335, 197.0529

12.3305, 15.6056,
37.5706

129.8761,
148.8704, 241.8997

7.0430, 9.2455,
25.3504

162.5573,
185.1987, 293.0817

3.5356, 4.9016,
16.1169

200.3068,
227.0029, 351.0173

1.4429, 2.1897,
9.4517

243.4900,

0.2865, 0.7144,

274.6672, 416.1251

4.9361

292.4722,
328.5761, 488.8236

■ 0.0000, 0.0000,
2.1517

■ 0.0000, 0.0000,
0.6463

■ 42.5273, 50.6273,
96.3375

■ 42.5273, 50.6273,
96.3375

■ 38.5073, 45.9149,
95.6408

■ 47.4705, 55.9574,
97.1067

■ 35.3242, 41.7706,
95.0086

■ 53.4028, 61.9382,
97.9485

■ 32.8824, 38.1440,
94.4373

■ 60.3897, 68.6065,
98.8673

■ 31.1623, 35.2151,
93.9626

■ 68.4890, 75.9940,
99.8664

■ 77.7545, 84.1304,
100.9485

■ 88.2361, 93.0432,
102.1164

■ 93.9435, 99.5574,
103.0730

Harmonies

Analogous

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



37.9801, 50.6273, 78.8430



42.5273, 50.6273, 96.3375



48.9860, 50.6273, 101.9697

Triad

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



42.5273, 50.6273, 96.3375



62.4921, 50.6273, 52.6949



41.1684, 50.6273, 29.3373

Complementary

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



42.5273, 50.6273, 96.3375



50.9961, 41.0724, 16.5511

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.



47.2637, 50.6273, 25.4063



42.5273, 50.6273, 96.3375



59.9202, 50.6273, 36.7150

Square

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



42.5273, 50.6273, 96.3375



60.9225, 50.6273, 73.5437



54.1821, 50.6273, 27.7472



37.2494, 50.6273, 40.0702

Rectangle

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



42.5273, 50.6273, 96.3375



53.6203, 50.6273, 97.3503



54.1821, 50.6273, 27.7472



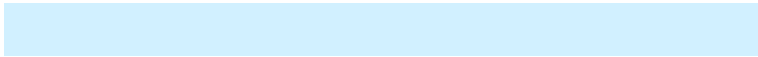
43.0088, 50.6273, 27.3094

Sweetspot

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



42.5290, 50.6291, 96.3387



75.6535, 83.3513, 106.7088



43.5955, 71.7162, 38.2611



15.6057, 17.3181, 22.7702



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.



42.5290, 50.6291, 96.3387



40.1944, 47.8813, 101.7313



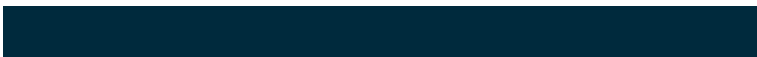
29.1684, 23.9080, 91.8852



17.2733, 18.6235, 22.0696



16.9656, 19.2868, 50.8021



1.6667, 1.9770, 4.7369

Inverse Universe

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



53.4129, 32.6777, 58.1377



53.3029, 29.4754, 55.0009



66.5468, 72.1739, 21.7347



17.7445, 17.4252, 20.5103



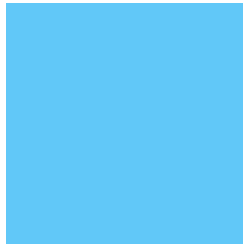
24.8555, 12.3579, 21.7452



2.3502, 1.1638, 2.2675

Previews

White Background



This preview shows how the XYZ color 42.5273, 50.6273, 96.3375 looks on a white background.

Color Contrast Check

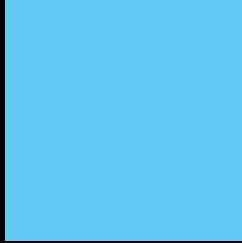
Large Text (above 18pt) WCAG AA × Fail

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 42.5273, 50.6273, 96.3375 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

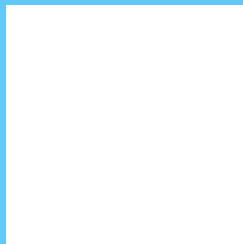
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5273, 50.6273, 96.3375

Background



This preview shows how black text looks on a background with the XYZ color 42.5273, 50.6273, 96.3375.

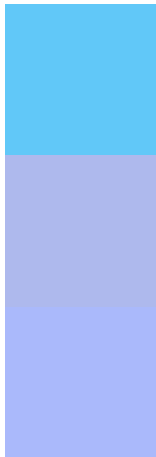


This preview shows how white text looks on a background with the XYZ color 42.5273, 50.6273,

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

42.5273, 50.6273, 96.3375

Protanopia

50.0906, 49.8110, 87.0952

Deuteranopia

51.3391, 50.2090, 98.2522



Tritanopia

38.6288, 50.8144, 76.1788

Trichromacy



Original Color

42.5273, 50.6273, 96.3375

Protanomaly

46.1447, 49.2888, 90.3007

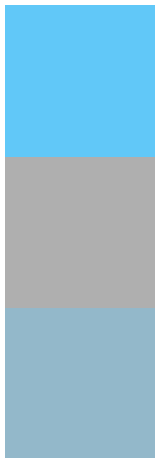
Deuteranomaly

46.9965, 49.5687, 97.5332

Tritanomaly

39.8996, 50.6052, 83.2662

Monochromacy



Original Color

42.5273, 50.6273, 96.3375

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.8338, 44.7483, 62.4149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5273, 50.6273, 96.3375 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(97, 200, 248)` looks like.

```
.text, #text, p{  
    color:rgb(97, 200, 248)  
}
```

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(97, 200, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 200, 248) }
```

Border

The CSS property to change the border of an element to XYZ 42.5273, 50.6273, 96.3375 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(97, 200, 248) }
```


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

```
.border{ border-color:rgb(97, 200, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 200, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 200, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 200, 248);  
box-shadow:4px 4px 4px 4px rgb(97, 200,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5273, 50.6273, 96.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 200, 248) }
```

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

```
.background{ background-color: rgb(97, 200,  
248) }
```

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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