

Converting Colors

XYZ(33.8887, 40.5077, 67.0060)

Have a look what the booklet for
XYZ(33.8887, 40.5077, 67.0060)
contains.

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Color

**XYZ(33.9824, 40.7041,
67.0384)**

Conversions

Conversions Part 1

Format	Color
Hex	69B5D2
RGB	105, 181, 210
RGB Percent	41%, 71%, 82%
CMY	0.5882, 0.2902, 0.1765
CMYK	0.50, 0.14, 0.00, 0.18
HSL	197°, 54%, 62%
HSV	197°, 50%, 82%
XYZ	33.9824, 40.7041, 67.0384
YIQ	161.5820, -54.6050, -7.0930

Conversions

Conversions Part 2

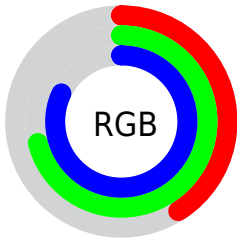
Format	Color
RYB	105, 149, 210
Decimal	6927826
CIELab	69.97, -15.68, -21.92
CIELCh	70, 26.952, 234.432
Yxy	40.7041, 0.2398, 0.2872
Android (android.graphics.Color)	4285117906 (0xFF69B5D2)
YUV	161.5820, 23.8701, -49.6224
Hunter-Lab	63.7998, -16.5731, -17.6399

Details

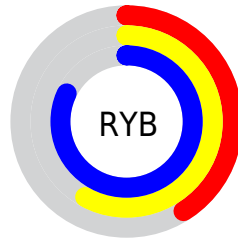
The XYZ color **33.9824, 40.7041, 67.0384** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **37.6542, 31.7729, 17.5141**, and the grayscale version is **34.0588, 35.8325, 39.0216**.

A 20% lighter version of the original color is **63.2345, 75.4698, 105.8421**, and **14.6743, 18.3404, 33.7770** is the 20% darker color. If you saturate the color by 10%, you get **30.6591, 37.2772, 66.5528**, and if you desaturate by 10%, it is **37.9664, 44.5462, 67.5708**.

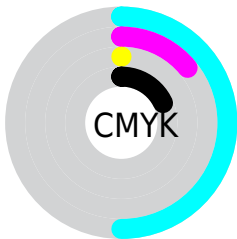
Distribution



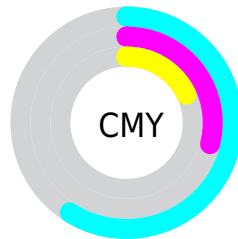
- Red (41%)
- Green (71%)
- Blue (82%)



- Red (41%)
- Yellow (58%)
- Blue (82%)



- Cyan (50%)
- Magenta (14%)
- Yellow (0%)
- Black (18%)



- Cyan (59%)
- Magenta (29%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9824, 40.7041, 67.0384 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 33.9824, 40.7041, 67.0384 by changing the saturation by 10% instead.

■ 33.9824, 40.7041,
67.0384

■ 33.9824, 40.7041,
67.0384

311.6409,
349.0824, 468.5867

■ 23.0429, 28.0879,
48.6540

■ 65.2508, 76.2345,
116.6166

■ 14.7461, 18.3920,
33.9815

■ 86.3104, 99.9175,
148.6475

■ 8.7265, 11.2318,
22.6021

■ 111.4740,
128.0583, 186.0644

■ 4.6189, 6.2229,
14.0975

■ 141.1071,
161.0413, 229.2857

■ 2.0579, 2.9811,
8.0490

175.5750,
199.2508, 278.7301

■ 0.6662, 1.1219,
4.0381

215.2430,

■ 0.0000, 0.0000,

243.0712, 334.8160

1.6463

260.4765,
292.8869, 397.9620

■ 0.0000, 0.0000,
0.3235

■ 0.0000, 0.0000,
0.0000

■ 33.9824, 40.7041,
67.0384

■ 33.9824, 40.7041,
67.0384

■ 30.6591, 37.2772,
66.5528

■ 37.9664, 44.5462,
67.5708

■ 27.9463, 34.2362,
66.1089

■ 42.6487, 48.8212,
68.1491

■ 25.7926, 31.5546,
65.7048

■ 48.0687, 53.5510,
68.7764

■ 24.1357, 29.1993,
65.3375

■ 54.2616, 58.7547,
69.4544

■ 22.8618, 27.1108,
65.0015

■ 61.2600, 64.4499,
70.1849

■ 22.8616, 27.1104,
65.0014

■ 69.0950, 70.6535,
70.9693

■ 77.7956, 77.3811,
71.8093

■ 80.4522, 81.0715,
72.3816

■ 82.0691, 84.3054,
72.9206

Harmonies

Analogous

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



31.4998, 40.7041, 55.0907



33.9824, 40.7041, 67.0384



37.8747, 40.7041, 73.0006

Triad

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



33.9824, 40.7041, 67.0384



47.7131, 40.7041, 46.7074



35.3003, 40.7041, 25.7508

Complementary

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



33.9824, 40.7041, 67.0384



37.6542, 31.7729, 17.5141

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.



39.5129, 40.7041, 24.3490



33.9824, 40.7041, 67.0384



46.8943, 40.7041, 35.0532

Square

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



33.9824, 40.7041, 67.0384



45.9692, 40.7041, 59.9229



43.8092, 40.7041, 27.4190



32.2194, 40.7041, 31.6917

Rectangle

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



33.9824, 40.7041, 67.0384



40.8304, 40.7041, 72.0994



43.8092, 40.7041, 27.4190



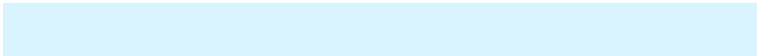
36.6220, 40.7041, 24.7868

Sweetspot

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



33.9837, 40.7056, 67.0394



79.0730, 86.8975, 107.2130



33.1070, 50.7909, 30.2504



16.4934, 18.2355, 22.9005



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.



33.9837, 40.7056, 67.0394



47.2593, 57.5045, 103.2164



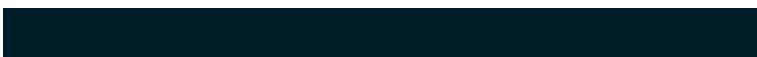
25.3761, 23.4903, 64.1702



11.8708, 12.8319, 15.0948



14.0331, 16.7128, 39.6788



0.8493, 1.0637, 2.2401

Inverse Universe

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



39.9715, 27.1422, 46.8498



57.9691, 35.5538, 66.5877



46.5829, 49.6302, 20.4903



12.1657, 11.9510, 14.1484



19.7140, 9.7584, 19.1979



1.1349, 0.5587, 1.2452

Previews

White Background



This preview shows how the XYZ color 33.9824, 40.7041, 67.0384 looks on a white background.

Color Contrast Check

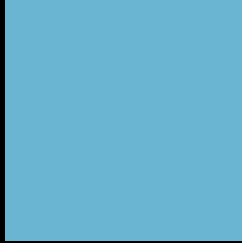
Large Text (above 18pt) WCAG AA × Fail

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 33.9824, 40.7041, 67.0384 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 33.9824, 40.7041, 67.0384

Background



This preview shows how black text looks on a background with the XYZ color 33.9824, 40.7041, 67.0384.

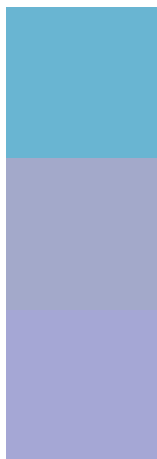


This preview shows how white text looks on a background with the XYZ color 33.9824, 40.7041,

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

33.9824, 40.7041, 67.0384

Protanopia

39.9529, 40.4267, 61.5745

Deuteranopia

41.3460, 40.4409, 68.5775



Tritanopia

32.4934, 40.7109, 59.5715

Trichromacy



Original Color

33.9824, 40.7041, 67.0384

Protanomaly

37.1183, 40.0457, 63.5309

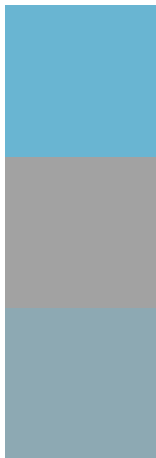
Deuteranomaly

37.9639, 40.0982, 68.0262

Tritanomaly

32.8681, 40.5449, 61.9707

Monochromacy



Original Color

33.9824, 40.7041, 67.0384

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.3092, 37.2933, 48.0906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9824, 40.7041, 67.0384 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(105, 181, 210)` looks like.

```
.text, #text, p{  
    color:rgb(105, 181, 210)  
}
```

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(105, 181, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 181, 210) }
```

Border

The CSS property to change the border of an element to XYZ 33.9824, 40.7041, 67.0384 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(105, 181, 210) }
```


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

```
.border{ border-color:rgb(105, 181, 210) }
```

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

Here you see how a box with a 4 pixel rgb(105, 181, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 181, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 181, 210);  
box-shadow:4px 4px 4px 4px rgb(105, 181,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9824, 40.7041, 67.0384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 181, 210) }
```

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

```
.background{ background-color: rgb(105,  
181, 210) }
```

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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