

Converting Colors

XYZ(20.9387, 34.6558, 16.8046)

Have a look what the booklet for
XYZ(20.9387, 34.6558, 16.8046)
contains.

XYZ(21.0047, 34.8077, 16.9208)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.0047, 34.8077,
16.9208)**

Conversions

Conversions Part 1

Format	Color
Hex	46B461
RGB	70, 180, 97
RGB Percent	27%, 71%, 38%
CMY	0.7255, 0.2941, 0.6196
CMYK	0.61, 0.00, 0.46, 0.29
HSL	135°, 44%, 49%
HSV	135°, 61%, 71%
XYZ	21.0047, 34.8077, 16.9208
YIQ	137.6480, -38.9170, -49.1330

Conversions

Conversions Part 2

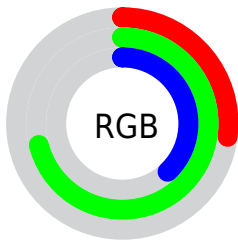
Format	Color
RYB	70, 158, 180
Decimal	4633697
CIELab	65.60, -49.42, 33.16
CIELCh	66, 59.518, 146.141
Yxy	34.8077, 0.2888, 0.4786
Android (android.graphics.Color)	4282823777 (0xFF46B461)
YUV	137.6480, -20.0395, -59.3273
Hunter-Lab	58.9981, -39.6964, 24.2941

Details

The XYZ color **21.0047, 34.8077, 16.9208** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.7633, 16.3841, 31.8896**, and the grayscale version is **24.1086, 25.3641, 27.6215**.

A 20% lighter version of the original color is **44.7623, 67.4054, 39.0851**, and **7.9944, 15.1351, 5.2963** is the 20% darker color. If you saturate the color by 10%, you get **19.3158, 34.0050, 13.8146**, and if you desaturate by 10%, it is **23.1930, 35.8572, 20.6180**.

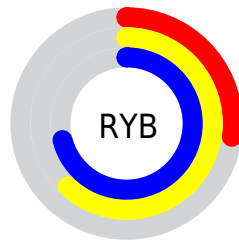
Distribution



Red (27%)

Green (71%)

Blue (38%)



Red (27%)

Yellow (62%)

Blue (71%)

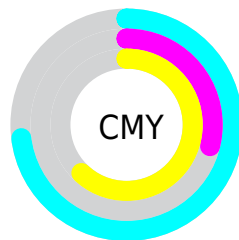


Cyan (61%)

Magenta (0%)

Yellow (46%)

Black (29%)



Cyan (73%)


Magenta (29%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0047, 34.8077, 16.9208 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 21.0047, 34.8077, 16.9208 by changing the saturation by 10% instead.


 21.0047, 34.8077,
16.9208


 21.0047, 34.8077,
16.9208


250.0347,
323.7187, 246.7440


 13.2399, 23.5148,
10.0167


 44.5866, 67.1878,
38.9783

 7.6721, 14.9741,
5.3043


 61.1344, 89.0437,
54.9688


 3.9359, 8.8012,
2.3650


 81.3406, 115.1894,
74.8252

 1.6659, 4.6117,
0.7673

 105.5705,
146.0093, 98.9660

 0.4348, 2.0213,
0.0000

 134.1895,
181.8878, 127.8097

 0.0000, 0.6198,
0.0000

167.5630,

 0.0000, 0.0000,

223.2093, 161.7749

0.0000

206.0563,
270.3581, 201.2802

■ 21.0047, 34.8077,
16.9208

■ 21.0047, 34.8077,
16.9208

■ 19.3158, 34.0050,
13.8146

■ 23.1930, 35.8572,
20.6180

■ 18.0820, 33.4241,
11.2662

■ 25.9146, 37.1676,
24.9322

■ 17.2557, 33.0421,
9.2427

■ 29.2036, 38.7568,
29.8909

■ 16.7801, 32.8271,
7.8530

■ 33.0904, 40.6400,
35.5191

■ 37.6032, 42.8311,
41.8406

■ 42.7682, 45.3434,
48.8779

■ 48.6105, 48.1892,
56.6526

■ 55.1535, 51.3802,
65.1851

■ 62.4196, 54.9274,
74.4955

Harmonies

Analogous

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



26.2219, 34.8077, 9.0422



21.0047, 34.8077, 16.9208



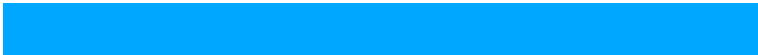
18.9964, 34.8077, 34.7538

Triad

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



21.0047, 34.8077, 16.9208



31.9662, 34.8077, 108.9982



50.5675, 34.8077, 20.4120

Complementary

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



21.0047, 34.8077, 16.9208



26.7633, 16.3841, 31.8896

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.



52.8294, 34.8077, 41.2299



21.0047, 34.8077, 16.9208



41.0488, 34.8077, 99.5552

Square

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



21.0047, 34.8077, 16.9208



24.5807, 34.8077, 93.5186



49.0824, 34.8077, 71.5119



43.3512, 34.8077, 10.3455

Rectangle

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



21.0047, 34.8077, 16.9208



19.4308, 34.8077, 52.9061



49.0824, 34.8077, 71.5119



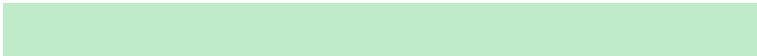
51.9815, 34.8077, 26.0386

Sweetspot

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



21.0056, 34.8091, 16.9216



62.1747, 74.7422, 67.4858



30.8180, 39.9892, 11.8889



12.9561, 15.9205, 13.9030



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.0056, 34.8091, 16.9216



34.2351, 61.2837, 23.4917



24.4069, 36.1697, 34.8326



8.4717, 9.5232, 9.4776



11.7340, 22.9196, 5.6019



0.3927, 0.7305, 0.3001

Inverse Universe

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



26.7633, 16.3841, 31.8896



45.5024, 25.0179, 52.6271



23.2816, 14.9914, 13.5550



8.7591, 8.6104, 10.2298



16.2570, 8.0204, 17.0452



0.5330, 0.2609, 0.6492

Previews

White Background



This preview shows how the XYZ color 21.0047, 34.8077, 16.9208 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 21.0047, 34.8077, 16.9208 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 21.0047, 34.8077, 16.9208

Background



This preview shows how black text looks on a background with the XYZ color 21.0047, 34.8077, 16.9208.



This preview shows how white text looks on a background with the XYZ color 21.0047, 34.8077,

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

21.0047, 34.8077, 16.9208

Protanopia

31.4856, 34.1737, 14.3879

Deuteranopia

34.8005, 34.0798, 17.8406



Tritanopia

27.6425, 34.5898, 50.5670

Trichromacy



Original Color

21.0047, 34.8077, 16.9208



Protanomaly

25.7213, 33.2794, 15.1931



Deuteranomaly

27.1234, 32.8912, 17.2310



Tritanomaly

24.5499, 34.4704, 35.0653

Monochromacy



Original Color

21.0047, 34.8077, 16.9208



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.7764, 27.7232, 22.9423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0047, 34.8077, 16.9208 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(70, 180, 97)` looks like.

```
.text, #text, p{  
    color:rgb(70, 180, 97)  
}
```

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(70, 180, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 180, 97) }
```

Border

The CSS property to change the border of an element to XYZ 21.0047, 34.8077, 16.9208 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(70, 180, 97) }
```


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

```
.border{ border-color:rgb(70, 180, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 180, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 180, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 180, 97);  
box-shadow:4px 4px 4px 4px rgb(70, 180,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0047, 34.8077, 16.9208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 180, 97) }
```

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

```
.background{ background-color: rgb(70, 180,  
97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor