

Converting Colors

XYZ(20.3965, 35.0693, 18.7108)

Have a look what the booklet for
XYZ(20.3965, 35.0693, 18.7108)
contains.

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Color

**XYZ(20.3989, 35.0597,
18.7888)**

Conversions

Conversions Part 1

Format	Color
Hex	2FB668
RGB	47, 182, 104
RGB Percent	18%, 71%, 41%
CMY	0.8157, 0.2863, 0.5921
CMYK	0.74, 0.00, 0.43, 0.29
HSL	145°, 59%, 45%
HSV	145°, 74%, 71%
XYZ	20.3989, 35.0597, 18.7888
YIQ	132.7430, -55.4220, -52.8780

Conversions

Conversions Part 2

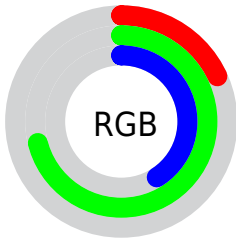
Format	Color
RYB	47, 142, 182
Decimal	3126888
CIELab	65.80, -53.21, 29.68
CIElCh	66, 60.924, 150.846
Yxy	35.0597, 0.2747, 0.4722
Android (android.graphics.Color)	4281316968 (0xFF2FB668)
YUV	132.7430, -14.1703, -75.1966
Hunter-Lab	59.2112, -42.1245, 22.6341

Details

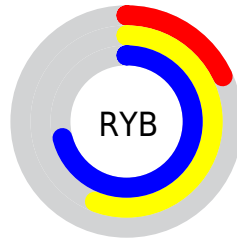
The XYZ color **20.3989, 35.0597, 18.7888** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **24.0106, 13.4594, 20.7354**, and the grayscale version is **22.2659, 23.4255, 25.5103**.

A 20% lighter version of the original color is **43.5493, 67.5780, 42.2011**, and **8.4088, 15.7142, 6.2044** is the 20% darker color. If you saturate the color by 10%, you get **19.2271, 34.5145, 16.1179**, and if you desaturate by 10%, it is **21.9888, 35.8147, 21.8286**.

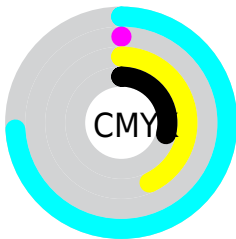
Distribution



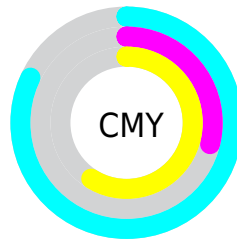
- Red (18%)
- Green (71%)
- Blue (41%)



- Red (18%)
- Yellow (56%)
- Blue (71%)



- Cyan (74%)
- Magenta (0%)
- Yellow (43%)
- Black (29%)





- Cyan (82%)
- Magenta (29%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3989, 35.0597, 18.7888 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 20.3989, 35.0597, 18.7888 by changing the saturation by 10% instead.


 20.3989, 35.0597,
18.7888


 20.3989, 35.0597,
18.7888


246.8591,
324.8318, 257.6641


 12.7953, 23.7089,
11.3425


 43.5838, 67.5782,
42.2088


 7.3638, 15.1178,
6.1806


 59.8958, 89.5147,
59.0197


 3.7390, 8.9021,
2.8847


 79.8414, 115.7486,
79.7891

 1.5555, 4.6774,
1.0361

 103.7858,
146.6642, 104.9357

 0.3632, 2.0592,
0.0000

 132.0944,
182.6459, 134.8779

 0.0000, 0.6416,
0.0000

165.1326,

 0.0000, 0.0000,

224.0781, 170.0344

0.0000

203.2657,
271.3453, 210.8236

■ 20.3989, 35.0597,
18.7888

■ 20.3989, 35.0597,
18.7888

■ 19.2271, 34.5145,
16.1179

■ 21.9888, 35.8147,
21.8286

■ 18.4216, 34.1498,
13.7983

■ 24.0353, 36.7961,
25.2489

■ 18.0627, 33.9909,
12.6015

■ 26.5752, 38.0236,
29.0637

■ 29.6404, 39.5136,
33.2854

■ 33.2605, 41.2808,
37.9261

■ 37.4624, 43.3391,
42.9970

■ 42.2714, 45.7012,
48.5091

■ 47.7112, 48.3791,
54.4730

■ 53.8042, 51.3843,
60.8988

Harmonies

Analogous

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



25.2273, 35.0597, 9.5046



20.3989, 35.0597, 18.7888



18.8627, 35.0597, 38.9093

Triad

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



20.3989, 35.0597, 18.7888



33.5789, 35.0597, 112.0882



50.4638, 35.0597, 18.0110

Complementary

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



20.3989, 35.0597, 18.7888



24.0106, 13.4594, 20.7354

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.



53.7527, 35.0597, 37.4482



20.3989, 35.0597, 18.7888



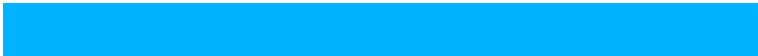
42.9886, 35.0597, 98.3520

Square

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



20.3989, 35.0597, 18.7888



25.5961, 35.0597, 99.7314



50.8009, 35.0597, 67.7040



42.4672, 35.0597, 9.2184

Rectangle

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



20.3989, 35.0597, 18.7888



19.6458, 35.0597, 58.6252



50.8009, 35.0597, 67.7040



52.2148, 35.0597, 23.1361

Sweetspot

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



20.3998, 35.0611, 18.7896



61.5928, 75.4720, 70.3563



25.8095, 38.0793, 8.6793



13.1791, 16.4616, 15.0131



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.3998, 35.0611, 18.7896



33.8620, 62.1185, 26.4860



25.2282, 36.9925, 44.2154



9.0435, 10.1214, 10.3862



12.7869, 24.0157, 9.0659



0.4818, 0.8590, 0.4832

Inverse Universe

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



24.0106, 13.4594, 20.7354



40.6945, 20.9122, 29.9229



21.0789, 12.2867, 5.2973



9.2162, 9.0969, 10.4861



15.4635, 7.7591, 10.3273



0.5753, 0.2856, 0.5232

Previews

White Background



This preview shows how the XYZ color 20.3989, 35.0597, 18.7888 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 20.3989, 35.0597, 18.7888 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 20.3989, 35.0597, 18.7888

Background



This preview shows how black text looks on a background with the XYZ color 20.3989, 35.0597, 18.7888.



This preview shows how white text looks on a background with the XYZ color 20.3989, 35.0597,

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

20.3989, 35.0597, 18.7888

Protanopia

31.6973, 34.5067, 15.8163

Deuteranopia

35.0837, 34.4230, 19.8341



Tritanopia

26.9237, 34.7557, 51.7439

Trichromacy



Original Color

20.3989, 35.0597, 18.7888



Protanomaly

24.7757, 33.0313, 16.6251



Deuteranomaly

26.1205, 32.5955, 19.1022



Tritanomaly

23.9100, 34.6799, 36.8862

Monochromacy



Original Color

20.3989, 35.0597, 18.7888



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.0590, 26.3631, 22.4437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3989, 35.0597, 18.7888 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(47, 182, 104)` looks like.

```
.text, #text, p{  
  color:rgb(47, 182, 104)  
}
```

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(47, 182, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 182, 104) }
```

Border

The CSS property to change the border of an element to XYZ 20.3989, 35.0597, 18.7888 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(47, 182, 104) }
```


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

```
.border{ border-color:rgb(47, 182, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 182, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 182, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 182, 104);  
box-shadow:4px 4px 4px 4px rgb(47, 182,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3989, 35.0597, 18.7888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 182, 104) }
```

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

```
.background{ background-color: rgb(47, 182,  
104) }
```

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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