

Converting Colors

XYZ(26.9936, 16.5897, 3.1920)

Have a look what the booklet for
XYZ(26.9936, 16.5897, 3.1920)
contains.

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Color

**XYZ(27.0097, 16.6140,
3.2221)**

Conversions

Conversions Part 1

Format	Color
Hex	CC4021
RGB	204, 64, 33
RGB Percent	80%, 25%, 13%
CMY	0.2000, 0.7490, 0.8706
CMYK	0.00, 0.69, 0.84, 0.20
HSL	11°, 72%, 46%
HSV	11°, 84%, 80%
XYZ	27.0097, 16.6140, 3.2221
YIQ	102.3260, 93.3910, 20.0390

Conversions

Conversions Part 2

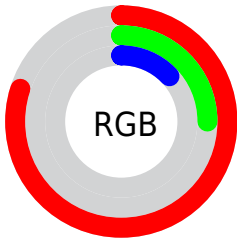
Format	Color
R_{YB}	204, 71, 33
Decimal	13385761
CIE Lab	47.77, 53.85, 48.09
CIE LCh	48, 72.197, 41.762
Yxy	16.6140, 0.5766, 0.3547
Android (android.graphics.Color)	4291575841 (0xFFCC4021)
YUV	102.3260, -34.1777, 89.1681
Hunter-Lab	40.7603, 46.9521, 23.8453

Details

The XYZ color **27.0097, 16.6140, 3.2221** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark muted red. A complement of this color would be **26.4678, 34.5662, 62.4030**, and the grayscale version is **12.7854, 13.4512, 14.6483**.

A 20% lighter version of the original color is **49.3220, 35.0477, 11.9499**, and **11.1553, 5.7508, 0.5221** is the 20% darker color. If you saturate the color by 10%, you get **26.0006, 14.9231, 1.8775**, and if you desaturate by 10%, it is **28.4744, 18.9399, 5.5717**.

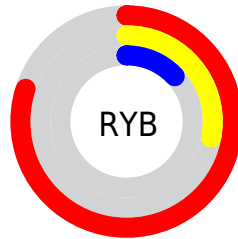
Distribution



Red (80%)

Green (25%)

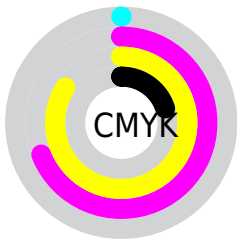
Blue (13%)



Red (80%)

Yellow (28%)

Blue (13%)

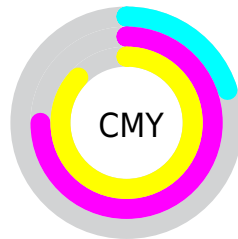


Cyan (0%)

Magenta (69%)

Yellow (84%)

Black (20%)



Cyan (20%)


Magenta (75%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.0097, 16.6140, 3.2221 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 27.0097, 16.6140, 3.2221 by changing the saturation by 10% instead.


 27.0097, 16.6140,
3.2221


 27.0097, 16.6140,
3.2221


279.8708,
232.9380, 139.1410


 17.7171, 9.9597,
1.2091


 54.3192, 37.6609,
12.1717


 10.8456, 5.3722,
0.0000


 73.0669, 52.8223,
19.9455

 6.0296, 2.4673,
0.0000


 95.6969, 71.5881,
30.4766

 2.9039, 0.8602,
0.0000

 122.5747, 94.3428,
44.1835

 1.1032, 0.0000,
0.0000

 154.0657,
121.4707, 61.4849

 0.0278, 0.0000,
0.0000

 190.5351,

 0.0000, 0.0000,

153.3563, 82.7993

0.0000

232.3483,
190.3840, 108.5451

27.0097, 16.6140,
3.2221

27.0097, 16.6140,
3.2221

26.0006, 14.9231,
1.8775

28.4744, 18.9399,
5.5717

25.5629, 14.1600,
1.3858

30.4437, 21.9546,
9.0766

32.9609, 25.7089,
13.8621

36.0643, 30.2481,
20.0371

39.7884, 35.6138,
27.6990

■ 44.1654, 41.8447,
36.9361

■ 49.2247, 48.9767,
47.8299

■ 54.9943, 57.0441,
60.4563

■ 61.5004, 66.0790,
74.8865

Harmonies

Analogous

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



31.3738, 16.6140, 11.7544



27.0097, 16.6140, 3.2221



20.0141, 16.6140, 0.9642

Triad

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



27.0097, 16.6140, 3.2221



6.6762, 16.6140, 9.0721



18.4659, 16.6140, 80.2111

Complementary

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



27.0097, 16.6140, 3.2221



26.4678, 34.5662, 62.4030

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.



12.2083, 16.6140, 77.4320



27.0097, 16.6140, 3.2221



6.4733, 16.6140, 26.3701

Square

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



27.0097, 16.6140, 3.2221



8.8688, 16.6140, 2.4024



8.2094, 16.6140, 53.7187



25.6131, 16.6140, 59.8163

Rectangle

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



27.0097, 16.6140, 3.2221



15.4115, 16.6140, 0.7130



8.2094, 16.6140, 53.7187



16.1769, 16.6140, 82.2015

Sweetspot

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



27.0101, 16.6150, 3.2224



71.9827, 67.6550, 58.6994



33.2325, 17.0398, 42.3525



14.8406, 13.6758, 11.3638



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.



27.0101, 16.6150, 3.2224



42.2265, 23.2330, 2.2588



35.6098, 33.8144, 6.0889



11.3741, 11.5372, 11.7069



16.1393, 9.0115, 0.8888



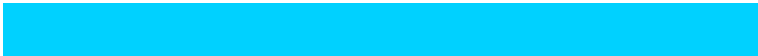
0.8839, 0.5674, 0.0629

Inverse Universe

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



26.4678, 34.5662, 62.4030



40.7911, 52.7022, 102.6304



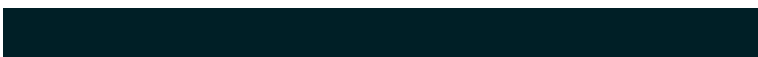
15.1824, 11.9953, 58.6412



11.3636, 12.3675, 14.3586



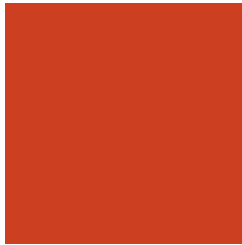
15.6209, 20.2659, 39.0447



0.8521, 1.1380, 2.0297

Previews

White Background



This preview shows how the XYZ color 27.0097, 16.6140, 3.2221 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 27.0097, 16.6140, 3.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.0097, 16.6140, 3.2221

Background



This preview shows how black text looks on a background with the XYZ color 27.0097, 16.6140, 3.2221.



This preview shows how white text looks on a background with the XYZ color 27.0097, 16.6140,

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

27.0097, 16.6140, 3.2221

Protanopia

15.2629, 16.7439, 5.0122

Deuteranopia

16.9504, 16.6889, 2.7798



Tritanopia

27.7428, 16.6755, 6.4591

Trichromacy



Original Color

27.0097, 16.6140, 3.2221

Protanomaly

18.1007, 15.4944, 4.1345

Deuteranomaly

19.6978, 15.8192, 2.7743

Tritanomaly

27.5193, 16.6723, 5.0165

Monochromacy



Original Color

27.0097, 16.6140, 3.2221

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.4767, 13.0042, 8.7155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0097, 16.6140, 3.2221 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(204, 64, 33)` looks like.

```
.text, #text, p{  
    color:rgb(204, 64, 33)  
}
```

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(204, 64, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 64, 33) }
```

Border

The CSS property to change the border of an element to XYZ 27.0097, 16.6140, 3.2221 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(204, 64, 33) }
```


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

```
.border{ border-color:rgb(204, 64, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 64, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 64, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 64, 33);  
box-shadow:4px 4px 4px 4px rgb(204, 64,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0097, 16.6140, 3.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 64, 33) }
```

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

```
.background{ background-color: rgb(204, 64,  
33) }
```

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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