

Converting Colors

XYZ(20.6968, 10.6222, 3.1120)

Have a look what the booklet for
XYZ(20.6968, 10.6222, 3.1120)
contains.

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Color

**XYZ(20.6676, 10.6063,
3.1484)**

Conversions

Conversions Part 1

Format	Color
Hex	BA002A
RGB	186, 0, 42
RGB Percent	73%, 0%, 16%
CMY	0.2706, 0.9999, 0.8353
CMYK	0.00, 1.00, 0.77, 0.27
HSL	346°, 100%, 36%
HSV	346°, 100%, 73%
XYZ	20.6676, 10.6063, 3.1484
YIQ	60.4020, 97.3740, 52.4940

Conversions

Conversions Part 2

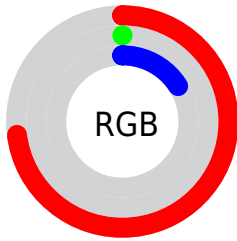
Format	Color
RYB	186, 0, 42
Decimal	12189738
CIELab	38.91, 63.99, 33.28
CIELCh	39, 72.129, 27.481
Yxy	10.6063, 0.6004, 0.3081
Android (android.graphics.Color)	4290379818 (0xFFBA002A)
YUV	60.4020, -9.0722, 110.1494
Hunter-Lab	32.5673, 56.2854, 17.0653

Details

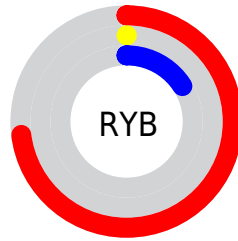
The XYZ color **20.6676, 10.6063, 3.1484** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.5960, 37.1324, 32.3763**, and the grayscale version is **4.3567, 4.5836, 4.9915**.

A 20% lighter version of the original color is **44.1619, 27.0467, 11.9098**, and **8.3122, 4.2851, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **20.6669, 10.6060, 3.1457**, and if you desaturate by 10%, it is **21.2000, 11.1820, 4.8342**.

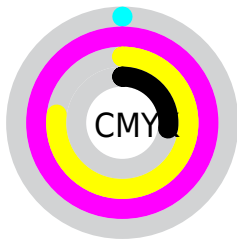
Distribution



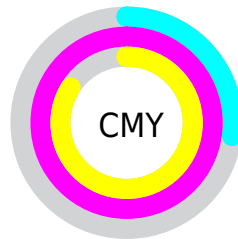
- Red (73%)
- Green (0%)
- Blue (16%)



- Red (73%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6676, 10.6063, 3.1484 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 20.6676, 10.6063, 3.1484 by changing the saturation by 10% instead.

 20.6676, 10.6063,
3.1484


 20.6676, 10.6063,
3.1484


248.2719,
194.9462, 138.2288


 12.9923, 5.8028,
1.1709


 44.0291, 26.9298,
11.9925


 7.5002, 2.7255,
0.0000


 60.4461, 39.2186,
19.6961


 3.8259, 0.9902,
0.0000

 80.5076, 54.7712,
30.1456

 1.6041, 0.0000,
0.0000

 104.5792, 73.9721,
43.7594

 0.3951, 0.0000,
0.0000

 133.0260, 97.2057,
60.9561

 0.0000, 0.0000,
0.0000

 166.2135,

124.8563, 82.1542

204.5070,
157.3083, 107.7723

20.6676, 10.6063,
3.1484

20.6676, 10.6063,
3.1484

20.6669, 10.6060,
3.1457

21.2000, 11.1820,
4.8342

22.0496, 12.2294,
7.1270

23.3038, 13.9107,
10.0946

25.0090, 16.3076,
13.7877

27.2051, 19.4893,
18.2517

■ 29.9274, 23.5168,
23.5280

■ 33.2079, 28.4449,
29.6551

■ 37.0759, 34.3240,
36.6690

■ 41.5587, 41.2007,
44.6033

Harmonies

Analogous

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



22.3767, 10.6063, 12.7477



20.6676, 10.6063, 3.1484



15.8917, 10.6063, 0.4380

Triad

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



20.6676, 10.6063, 3.1484



4.1354, 10.6063, 2.3770



9.6814, 10.6063, 63.0834

Complementary

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



20.6676, 10.6063, 3.1484



22.5960, 37.1324, 32.3763

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.



5.8937, 10.6063, 51.1671



20.6676, 10.6063, 3.1484



3.3921, 10.6063, 10.4269

Square

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



20.6676, 10.6063, 3.1484



6.3979, 10.6063, 0.2164



3.9158, 10.6063, 28.5135



14.9603, 10.6063, 54.3603

Rectangle

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



20.6676, 10.6063, 3.1484



12.2136, 10.6063, 0.0000



3.9158, 10.6063, 28.5135



8.2123, 10.6063, 61.2344

Sweetspot

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



20.6678, 10.6070, 3.1485



59.8592, 51.0560, 53.1400



20.1232, 9.3507, 47.1982



12.6042, 10.3727, 10.6311



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.6678, 10.6070, 3.1485



37.3854, 19.1941, 5.3069



21.3744, 12.6885, 1.3236



9.0854, 9.0445, 9.7971



13.9282, 7.1451, 2.2430



0.5149, 0.2615, 0.2051

Inverse Universe

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



20.6678, 10.6070, 3.1485



37.3854, 19.1941, 5.3069



17.7252, 21.2692, 49.6251



9.0854, 9.0445, 9.7971



13.9282, 7.1451, 2.2430



0.5149, 0.2615, 0.2051

Previews

White Background



This preview shows how the XYZ color 20.6676, 10.6063, 3.1484 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



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 20.6676, 10.6063, 3.1484

Background



This preview shows how black text looks on a background with the XYZ color 20.6676, 10.6063, 3.1484.



This preview shows how white text looks on a background with the XYZ color 20.6676, 10.6063,

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

20.6676, 10.6063, 3.1484

Protanopia

10.4076, 11.2004, 6.4638

Deuteranopia

11.3617, 11.2576, 2.8024



Tritanopia

20.2677, 10.7644, 1.2392

Trichromacy



Original Color

20.6676, 10.6063, 3.1484

Protanomaly

12.0025, 8.5038, 4.7502

Deuteranomaly

13.0796, 8.8814, 2.5383

Tritanomaly

20.2535, 10.6041, 1.6411

Monochromacy



Original Color

20.6676, 10.6063, 3.1484

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

7.2796, 4.7074, 3.8931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6676, 10.6063, 3.1484 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(186, 0, 42)` looks like.

```
.text, #text, p{  
  color:rgb(186, 0, 42)  
}
```

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(186, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 42) }
```

Border

The CSS property to change the border of an element to XYZ 20.6676, 10.6063, 3.1484 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(186, 0, 42) }
```


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

```
.border{ border-color:rgb(186, 0, 42) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.6676, 10.6063, 3.1484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 42) }
```

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

```
.background{ background-color: rgb(186, 0,  
42) }
```

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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