

Converting Colors

XYZ(21.5246, 11.0256, 4.2049)

Have a look what the booklet for
XYZ(21.5246, 11.0256, 4.2049)
contains.

XYZ(21.6061, 11.0668, 4.2461)	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(21.6061, 11.0668,
4.2461)**

Conversions

Conversions Part 1

Format	Color
Hex	BD0034
RGB	189, 0, 52
RGB Percent	74%, 0%, 20%
CMY	0.2588, 0.9998, 0.7961
CMYK	0.00, 1.00, 0.72, 0.26
HSL	344°, 100%, 37%
HSV	344°, 100%, 74%
XYZ	21.6061, 11.0668, 4.2461
YIQ	62.4390, 95.9520, 56.2400

Conversions

Conversions Part 2

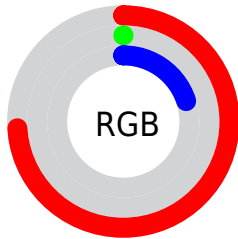
Format	Color
RYB	189, 0, 52
Decimal	12386356
CIELab	39.69, 65.10, 28.20
CIElCh	40, 70.942, 23.422
Yxy	11.0668, 0.5852, 0.2998
Android (android.graphics.Color)	4290576436 (0xFFBD0034)
YUV	62.4390, -5.1464, 110.9940
Hunter-Lab	33.2668, 57.7152, 15.7191

Details

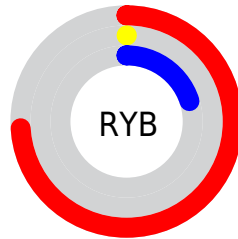
The XYZ color **21.6061, 11.0668, 4.2461** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **22.7160, 38.2024, 29.8577**, and the grayscale version is **4.6429, 4.8847, 5.3195**.

A 20% lighter version of the original color is **45.4427, 27.7638, 14.5191**, and **8.8017, 4.5317, 0.6693** is the 20% darker color. If you saturate the color by 10%, you get **21.6053, 11.0664, 4.2428**, and if you desaturate by 10%, it is **22.1926, 11.6722, 6.1917**.

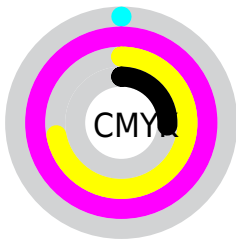
Distribution



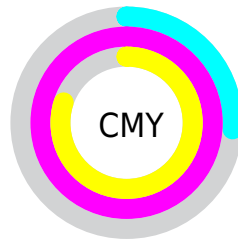
- Red (74%)
- Green (0%)
- Blue (20%)



- Red (74%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6061, 11.0668, 4.2461 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 21.6061, 11.0668, 4.2461 by changing the saturation by 10% instead.


 21.6061, 11.0668,
4.2461


 21.6061, 11.0668,
4.2461


253.1535,
198.1253, 150.9227


 13.6827, 6.1118,
1.7613


 45.5778, 27.7836,
14.5735


 7.9806, 2.9132,
0.4022


 62.3569, 40.3142,
23.2531


 4.1342, 1.0866,
0.0000

 82.8185, 56.1388,
34.8348

 1.7783, 0.0000,
0.0000

 107.3282, 75.6418,
49.7371

 0.5046, 0.0000,
0.0000

 136.2511, 99.2075,
68.3785

 0.0000, 0.0000,
0.0000

 169.9528,

127.2204, 91.1775

208.7984,
160.0649, 118.5527

■ 21.6061, 11.0668,
4.2461

■ 21.6061, 11.0668,
4.2461

■ 21.6053, 11.0664,
4.2428

■ 22.1926, 11.6722,
6.1917

■ 23.1001, 12.7651,
8.7211

■ 24.4169, 14.5114,
11.8951

■ 26.1896, 16.9955,
15.7579

■ 28.4582, 20.2887,
20.3493

■ 31.2584, 24.4542,
25.7061

■ 34.6222, 29.5486,
31.8620

■ 38.5790, 35.6238,
38.8491

■ 43.1565, 42.7278,
46.6974

Harmonies

Analogous

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



22.7688, 11.0668, 15.3757



21.6061, 11.0668, 4.2461



17.1121, 11.0668, 0.8016

Triad

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



21.6061, 11.0668, 4.2461



4.6665, 11.0668, 2.1131



9.4861, 11.0668, 62.8191

Complementary

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



21.6061, 11.0668, 4.2461



22.7160, 38.2024, 29.8577

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.



5.8826, 11.0668, 48.7389



21.6061, 11.0668, 4.2461



3.7081, 11.0668, 9.2420

Square

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



21.6061, 11.0668, 4.2461



7.2301, 11.0668, 0.2334



4.0722, 11.0668, 26.0892



14.6781, 11.0668, 56.9258

Rectangle

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



21.6061, 11.0668, 4.2461



13.4101, 11.0668, 0.0309



4.0722, 11.0668, 26.0892



8.0759, 11.0668, 60.0515

Sweetspot

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



21.6063, 11.0675, 4.2463



61.6826, 52.4246, 56.4789



19.2516, 8.8641, 48.8400



12.6959, 10.4094, 11.1143



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.



21.6063, 11.0675, 4.2463



38.6091, 19.7856, 7.1442



21.7786, 12.4033, 1.2473



9.6351, 9.5783, 10.4673



14.5650, 7.4572, 3.0032



0.5992, 0.3036, 0.2686

Inverse Universe

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



21.6063, 11.0675, 4.2463



38.6091, 19.7856, 7.1442



19.7847, 24.8723, 51.9018



9.6351, 9.5783, 10.4673



14.5650, 7.4572, 3.0032



0.5992, 0.3036, 0.2686

Previews

White Background



This preview shows how the XYZ color 21.6061, 11.0668, 4.2461 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 21.6061, 11.0668, 4.2461 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 21.6061, 11.0668, 4.2461

Background



This preview shows how black text looks on a background with the XYZ color 21.6061, 11.0668, 4.2461.



This preview shows how white text looks on a background with the XYZ color 21.6061, 11.0668,

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

21.6061, 11.0668, 4.2461

Protanopia

11.0375, 11.7406, 8.8921

Deuteranopia

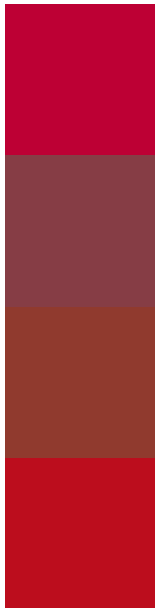
11.7668, 11.5713, 3.8038



Tritanopia

21.1007, 11.2651, 1.5525

Trichromacy



Original Color

21.6061, 11.0668, 4.2461

Protanomaly

12.5744, 8.8355, 6.6729

Deuteranomaly

13.5078, 9.1527, 3.6395

Tritanomaly

21.1047, 11.0679, 2.1864

Monochromacy



Original Color

21.6061, 11.0668, 4.2461

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.6736, 4.9447, 4.5530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6061, 11.0668, 4.2461 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(189, 0, 52)` looks like.

```
.text, #text, p{  
  color:rgb(189, 0, 52)  
}
```

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(189, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 52) }
```

Border

The CSS property to change the border of an element to XYZ 21.6061, 11.0668, 4.2461 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(189, 0, 52) }
```


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

```
.border{ border-color:rgb(189, 0, 52) }
```

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

Here you see how a box with a 4 pixel rgb(189, 0, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.6061, 11.0668, 4.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 52) }
```

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

```
.background{ background-color: rgb(189, 0,  
52) }
```

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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