

Converting Colors

XYZ(21.6007, 10.9837, 7.8717)

Have a look what the booklet for
XYZ(21.6007, 10.9837, 7.8717)
contains.

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Color

**XYZ(21.5542, 10.9609,
7.8171)**

Conversions

Conversions Part 1

Format	Color
Hex	BA004C
RGB	186, 0, 76
RGB Percent	73%, 0%, 30%
CMY	0.2706, 0.9999, 0.7020
CMYK	0.00, 1.00, 0.59, 0.27
HSL	335°, 100%, 36%
HSV	335°, 100%, 73%
XYZ	21.5542, 10.9609, 7.8171
YIQ	64.2780, 86.4600, 63.0680

Conversions

Conversions Part 2

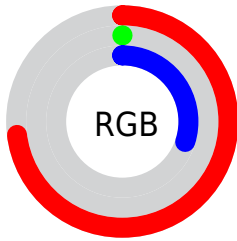
Format	Color
RYB	186, 0, 76
Decimal	12189772
CIELab	39.51, 65.62, 12.59
CIELCh	40, 66.818, 10.862
Yxy	10.9609, 0.5344, 0.2718
Android (android.graphics.Color)	4290379852 (0xFFBA004C)
YUV	64.2780, 5.7789, 106.7502
Hunter-Lab	33.1072, 58.2733, 9.1758

Details

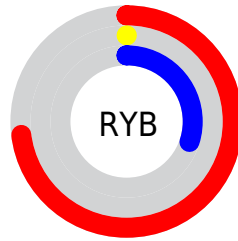
The XYZ color **21.5542, 10.9609, 7.8171** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **20.3755, 36.2443, 20.6831**, and the grayscale version is **4.9001, 5.1553, 5.6141**.

A 20% lighter version of the original color is **45.4427, 27.5982, 22.0007**, and **8.7320, 4.4698, 1.8414** is the 20% darker color. If you saturate the color by 10%, you get **21.5534, 10.9606, 7.8136**, and if you desaturate by 10%, it is **22.1967, 11.5806, 10.0827**.

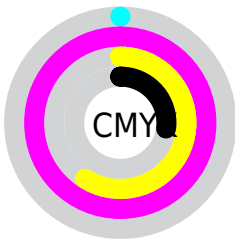
Distribution



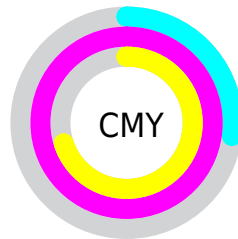
- Red (73%)
- Green (0%)
- Blue (30%)



- Red (73%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5542, 10.9609, 7.8171 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 21.5542, 10.9609, 7.8171 by changing the saturation by 10% instead.

 21.5542, 10.9609,
7.8171


 21.5542, 10.9609,
7.8171


252.8856,
197.3991, 184.1710


 13.6445, 6.0405,
3.8920


 45.4924, 27.5878,
22.1393


 7.9538, 2.8698,
1.5663

 62.2516, 40.0632,
33.3736


 4.1170, 1.0641,
0.2666

 82.6914, 55.8257,
47.8813

 1.7685, 0.0000,
0.0000

 107.1770, 75.2598,
66.0810

 0.4986, 0.0000,
0.0000

 136.0739, 98.7497,
88.3913

 0.0000, 0.0000,
0.0000

 169.7474,

126.6800, 115.2308

208.5629,
159.4350, 147.0178

■ 21.5542, 10.9609,
7.8171

■ 21.5542, 10.9609,
7.8171

■ 21.5534, 10.9606,
7.8136

■ 22.1967, 11.5806,
10.0827

■ 23.1232, 12.6586,
12.7809

■ 24.4163, 14.3555,
15.9537

■ 26.1180, 16.7509,
19.6284

■ 28.2642, 19.9125,
23.8300

■ 30.8867, 23.8998,
28.5810

■ 34.0141, 28.7666,
33.9026

■ 37.6728, 34.5619,
39.8148

■ 41.8873, 41.3311,
46.3363

Harmonies

Analogous

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



21.0292, 10.9609, 22.1474



21.5542, 10.9609, 7.8171



18.5104, 10.9609, 1.9138

Triad

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



21.5542, 10.9609, 7.8171



5.6879, 10.9609, 1.2553



7.8107, 10.9609, 54.5435

Complementary

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



21.5542, 10.9609, 7.8171



20.3755, 36.2443, 20.6831

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.



5.1134, 10.9609, 36.8918



21.5542, 10.9609, 7.8171



4.1569, 10.9609, 5.4726

Square

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



21.5542, 10.9609, 7.8171



8.8585, 10.9609, 0.1753



3.9827, 10.9609, 17.2911



12.1506, 10.9609, 57.1555

Rectangle

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



21.5542, 10.9609, 7.8171



15.2715, 10.9609, 0.6828



3.9827, 10.9609, 17.2911



6.7201, 10.9609, 49.7826

Sweetspot

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



21.5545, 10.9616, 7.8173



61.3383, 51.6476, 60.9290



15.1102, 6.7663, 46.9638



12.9580, 10.5142, 12.4941



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.



21.5545, 10.9616, 7.8173



38.9540, 19.8216, 13.5669



20.4282, 10.7959, 1.0081



9.1526, 9.0714, 10.1510



14.5358, 7.3881, 5.4424



0.5434, 0.2728, 0.3547

Inverse Universe

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



21.5545, 10.9616, 7.8173



38.9540, 19.8216, 13.5669



23.3324, 32.4835, 51.4943



9.1526, 9.0714, 10.1510



14.5358, 7.3881, 5.4424



0.5434, 0.2728, 0.3547

Previews

White Background



This preview shows how the XYZ color 21.5542, 10.9609, 7.8171 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 21.5542, 10.9609, 7.8171

Background



This preview shows how black text looks on a background with the XYZ color 21.5542, 10.9609, 7.8171.



This preview shows how white text looks on a background with the XYZ color 21.5542, 10.9609,

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

21.5542, 10.9609, 7.8171

Protanopia

11.4757, 11.6593, 16.6846

Deuteranopia

11.8100, 11.6491, 7.0949



Tritanopia

20.4532, 11.2076, 2.2477

Trichromacy



Original Color

21.5542, 10.9609, 7.8171

Protanomaly

12.5729, 8.6256, 12.5575

Deuteranomaly

13.5165, 9.1583, 7.0166

Tritanomaly

20.7336, 10.9773, 3.6108

Monochromacy



Original Color

21.5542, 10.9609, 7.8171

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.0207, 5.1914, 6.0481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5542, 10.9609, 7.8171 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, 76)` looks like.

```
.text, #text, p{  
  color:rgb(186, 0, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 76) }
```

Border

The CSS property to change the border of an element to XYZ 21.5542, 10.9609, 7.8171 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, 76) }
```


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

```
.border{ border-color:rgb(186, 0, 76) }
```

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, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 76)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5542, 10.9609, 7.8171 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, 76) }
```

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

```
.background{ background-color: rgb(186, 0,  
76) }
```

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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