

Converting Colors

XYZ(21.4456, 11.3466, 3.5424)

Have a look what the booklet for
XYZ(21.4456, 11.3466, 3.5424)
contains.

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Color

**XYZ(21.4456, 11.3466,
3.5424)**

Conversions

Conversions Part 1

Format	Color
Hex	BC132D
RGB	188, 19, 45
RGB Percent	74%, 7%, 18%
CMY	0.2627, 0.9254, 0.8235
CMYK	0.00, 0.90, 0.76, 0.26
HSL	351°, 82%, 41%
HSV	351°, 90%, 74%
XYZ	21.4456, 11.3466, 3.5424
YIQ	72.4950, 92.3780, 43.9140

Conversions

Conversions Part 2

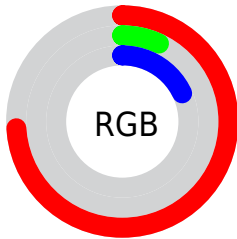
Format	Color
R _Y B	188, 19, 45
Decimal	12325677
CIE Lab	40.16, 62.33, 32.98
CIE LCh	40, 70.519, 27.881
Yxy	11.3466, 0.5902, 0.3123
Android (android.graphics.Color)	4290515757 (0xFFBC132D)
YUV	72.4950, -13.5550, 101.2979
Hunter-Lab	33.6847, 54.6950, 17.3442

Details

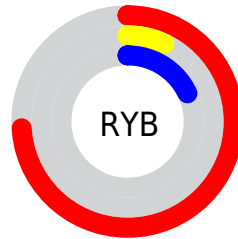
The XYZ color **21.4456, 11.3466, 3.5424** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **24.7758, 38.7144, 40.3599**, and the grayscale version is **6.2586, 6.5845, 7.1706**.

A 20% lighter version of the original color is **45.1617, 28.2440, 12.9689**, and **8.6042, 4.4356, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **20.9642, 10.7853, 2.1451**, and if you desaturate by 10%, it is **22.2663, 12.4022, 5.6225**.

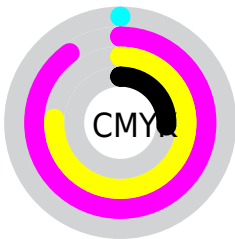
Distribution



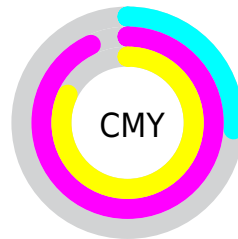
- Red (74%)
- Green (7%)
- Blue (18%)



- Red (74%)
- Yellow (7%)
- Blue (18%)



- Cyan (0%)
- Magenta (90%)
- Yellow (76%)
- Black (26%)





- Cyan (26%)
- Magenta (93%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4456, 11.3466, 3.5424 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 21.4456, 11.3466, 3.5424 by changing the saturation by 10% instead.


 21.4456, 11.3466,
3.5424


 21.4456, 11.3466,
3.5424


252.3244,
200.0302, 142.9946


 13.5644, 6.3005,
1.3778


 45.3137, 28.2993,
12.9398


 7.8980, 3.0286,
0.1243


 62.0313, 40.9747,
21.0098


 4.0810, 1.1467,
0.0000

 82.4251, 56.9620,
31.8853

 1.7481, 0.0175,
0.0000

 106.8604, 76.6455,
45.9848

 0.4861, 0.0000,
0.0000

 135.7027,
100.4097, 63.7270

 0.0000, 0.0000,
0.0000

 169.3172,

128.6390, 85.5303

208.0693,
161.7177, 111.8133

■ 21.4456, 11.3466,
3.5424

■ 21.4456, 11.3466,
3.5424

■ 20.9642, 10.7853,
2.1451

■ 22.2663, 12.4022,
5.6225

■ 20.9595, 10.7795,
2.1320

■ 23.5167, 14.1137,
8.4726

■ 25.2476, 16.5666,
12.1602

■ 27.5025, 19.8329,
16.7450

■ 30.3196, 23.9759,
22.2812

■ 33.7338, 29.0529,
28.8186

■ 37.7770, 35.1162,
36.4036

■ 42.4789, 42.2142,
45.0796

■ 47.8673, 50.3921,
54.8874

Harmonies

Analogous

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



23.2119, 11.3466, 13.3798



21.4456, 11.3466, 3.5424



16.6123, 11.3466, 0.6651

Triad

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



21.4456, 11.3466, 3.5424



4.6094, 11.3466, 2.8426



10.4398, 11.3466, 63.7265

Complementary

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



21.4456, 11.3466, 3.5424



24.7758, 38.7144, 40.3599

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.



6.5094, 11.3466, 52.2192



21.4456, 11.3466, 3.5424



3.8416, 11.3466, 11.3830

Square

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



21.4456, 11.3466, 3.5424



6.9501, 11.3466, 0.4828



4.4144, 11.3466, 29.7654



15.8201, 11.3466, 54.8722

Rectangle

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



21.4456, 11.3466, 3.5424



12.8869, 11.3466, 0.0203



4.4144, 11.3466, 29.7654



8.9243, 11.3466, 62.0014

Sweetspot

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



21.4459, 11.3473, 3.5426



62.8179, 55.1665, 55.4046



23.7749, 11.5541, 48.5538



13.0077, 11.1144, 10.9668



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.



21.4459, 11.3473, 3.5426



37.9304, 19.5141, 3.5703



23.3965, 15.8180, 2.4372



9.5884, 9.5596, 10.2213



14.2883, 7.3465, 1.5458



0.5789, 0.2954, 0.1616

Inverse Universe

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



21.4459, 11.3473, 3.5426



37.9304, 19.5141, 3.5703



17.5532, 20.1838, 50.5474



9.5884, 9.5596, 10.2213



14.2883, 7.3465, 1.5458



0.5789, 0.2954, 0.1616

Previews

White Background



This preview shows how the XYZ color 21.4456, 11.3466, 3.5424 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 21.4456, 11.3466, 3.5424

Background



This preview shows how black text looks on a background with the XYZ color 21.4456, 11.3466, 3.5424.



This preview shows how white text looks on a background with the XYZ color 21.4456, 11.3466,

3.5424.

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

21.4456, 11.3466, 3.5424

Protanopia

10.9049, 11.7140, 6.9965

Deuteranopia

11.7755, 11.5907, 3.1300



Tritanopia

21.2220, 11.4408, 1.7992

Trichromacy



Original Color

21.4456, 11.3466, 3.5424

Protanomaly

12.8482, 9.6009, 5.3137

Deuteranomaly

13.9172, 9.9403, 3.0189

Tritanomaly

21.2798, 11.3979, 2.3067

Monochromacy



Original Color

21.4456, 11.3466, 3.5424

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

9.2405, 6.5499, 5.4799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4456, 11.3466, 3.5424 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(188, 19, 45)` looks like.

```
.text, #text, p{  
    color:rgb(188, 19, 45)  
}
```

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(188, 19, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 19, 45) }
```

Border

The CSS property to change the border of an element to XYZ 21.4456, 11.3466, 3.5424 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(188, 19, 45) }
```


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

```
.border{ border-color:rgb(188, 19, 45) }
```

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

Here you see how a box with a 4 pixel rgb(188, 19, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 19, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 19, 45);  
box-shadow:4px 4px 4px 4px rgb(188, 19,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4456, 11.3466, 3.5424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 19, 45) }
```

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

```
.background{ background-color: rgb(188, 19,  
45) }
```

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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