

Converting Colors

XYZ(31.5007, 21.2511, 46.2807)

Have a look what the booklet for
XYZ(31.5007, 21.2511, 46.2807)
contains.

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Color

**XYZ(31.3992, 21.1654,
46.1465)**

Conversions

Conversions Part 1

Format	Color
Hex	B55EB5
RGB	181, 94, 181
RGB Percent	71%, 37%, 71%
CMY	0.2902, 0.6314, 0.2902
CMYK	0.00, 0.48, 0.00, 0.29
HSL	300°, 37%, 54%
HSV	300°, 48%, 71%
XYZ	31.3992, 21.1654, 46.1465
YIQ	129.9310, 23.9250, 45.5010

Conversions

Conversions Part 2

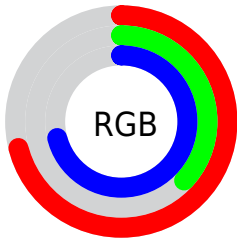
Format	Color
RYB	181, 94, 181
Decimal	11886261
CIELab	53.13, 47.67, -31.04
CIELCh	53, 56.886, 326.930
Yxy	21.1654, 0.3181, 0.2144
Android (android.graphics.Color)	4290076341 (0xFFB55EB5)
YUV	129.9310, 25.1770, 44.7875
Hunter-Lab	46.0059, 41.3167, -27.2671

Details

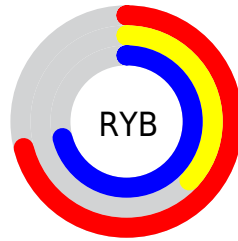
The XYZ color **31.3992, 21.1654, 46.1465** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.1612, 36.2363, 16.3644**, and the grayscale version is **21.1024, 22.2014, 24.1773**.

A 20% lighter version of the original color is **61.3164, 45.3326, 85.6391**, and **13.2934, 7.5800, 21.1845** is the 20% darker color. If you saturate the color by 10%, you get **29.9747, 18.3158, 45.6718**, and if you desaturate by 10%, it is **33.2026, 24.7716, 46.7478**.

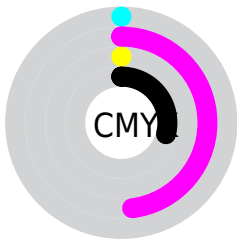
Distribution



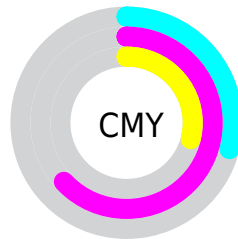
- Red (71%)
- Green (37%)
- Blue (71%)



- Red (71%)
- Yellow (37%)
- Blue (71%)



- Cyan (0%)
- Magenta (48%)
- Yellow (0%)
- Black (29%)



- Cyan (29%)
- Magenta (63%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3992, 21.1654, 46.1465 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 31.3992, 21.1654, 46.1465 by changing the saturation by 10% instead.

31.3992, 21.1654,
46.1465

31.3992, 21.1654,
46.1465

300.1674,
258.1562, 387.6920

21.0563, 13.2450,
32.0119

61.2396, 45.3626,
85.7748

13.2779, 7.5974,
21.1057

81.4679, 62.4082,
112.1056

7.6985, 3.8385,
13.0093

105.7219, 83.2643,
143.3389

3.9528, 1.5836,
7.3042

134.3672,
108.3153, 179.8933

1.6755, 0.3465,
3.5717

167.7690,
137.9456, 222.1873

0.4408, 0.0000,
1.3935

206.2928,

0.0000, 0.0000,

172.5396, 270.6393

0.1366

250.3038,
212.4817, 325.6681

■ 0.0000, 0.0000,
0.0000

■ 31.3992, 21.1654,
46.1465

■ 31.3992, 21.1654,
46.1465

■ 29.9747, 18.3158,
45.6718

■ 33.2026, 24.7716,
46.7478

■ 28.9000, 16.1665,
45.3136

■ 35.4067, 29.1799,
47.4826

■ 28.1457, 14.6578,
45.0621

■ 38.0346, 34.4357,
48.3586

■ 27.6762, 13.7189,
44.9056

■ 41.1068, 40.5801,
49.3826

■ 27.4348, 13.2361,
44.8251

■ 44.6425, 47.6514,
50.5612

■ 27.3968, 13.1601,
44.8125

■ 48.6597, 55.6858,
51.9003

■ 53.1756, 64.7176,
53.4056

■ 58.2064, 74.7793,
55.0826

■ 63.1568, 84.6801,
56.7328

Harmonies

Analogous

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



25.7994, 21.1654, 66.7575



31.3992, 21.1654, 46.1465



33.9547, 21.1654, 24.8581

Triad

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



31.3992, 21.1654, 46.1465



20.7404, 21.1654, 3.3047



11.4942, 21.1654, 41.4531

Complementary

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



31.3992, 21.1654, 46.1465



23.1612, 36.2363, 16.3644

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.



10.6660, 21.1654, 21.3233



31.3992, 21.1654, 46.1465



15.3371, 21.1654, 4.3695

Square

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



31.3992, 21.1654, 46.1465



27.0815, 21.1654, 4.9790



11.9242, 21.1654, 9.3225



14.4624, 21.1654, 63.2308

Rectangle

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



31.3992, 21.1654, 46.1465



33.2748, 21.1654, 14.7102



11.9242, 21.1654, 9.3225



10.9854, 21.1654, 34.0518

Sweetspot

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



31.3999, 21.1663, 46.1469



70.1300, 65.6959, 87.2789



16.9603, 13.7224, 45.4713



14.9130, 13.7100, 18.7825



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.3999, 21.1663, 46.1469



53.4843, 32.4045, 81.7301



27.6109, 19.6507, 26.1942



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8925



0.5943, 0.2854, 0.9720

Inverse Universe

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



31.3999, 21.1663, 46.1469



53.4843, 32.4045, 81.7301



25.6921, 37.2486, 29.6920



8.8501, 8.6467, 10.7089



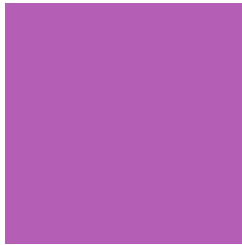
18.8866, 9.0722, 30.8925



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 31.3992, 21.1654, 46.1465 looks on a white background.

Color Contrast Check

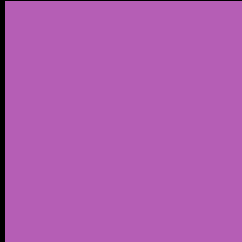
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.3992, 21.1654, 46.1465 looks on a black 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

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

XYZ 31.3992, 21.1654, 46.1465

Background



This preview shows how black text looks on a background with the XYZ color 31.3992, 21.1654, 46.1465.



This preview shows how white text looks on a background with the XYZ color 31.3992, 21.1654,

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

31.3992, 21.1654, 46.1465

Protanopia

23.3154, 21.6051, 61.9728

Deuteranopia

21.8808, 21.4616, 43.5467



Tritanopia

25.9131, 21.1059, 19.5377

Trichromacy



Original Color

31.3992, 21.1654, 46.1465

Protanomaly

24.8145, 20.5475, 56.0843

Deuteranomaly

24.2697, 20.5273, 44.2780

Tritanomaly

27.5884, 21.0242, 27.4149

Monochromacy



Original Color

31.3992, 21.1654, 46.1465

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

24.1805, 21.2821, 31.2672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3992, 21.1654, 46.1465 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(181, 94, 181)` looks like.

```
.text, #text, p{  
    color:rgb(181, 94, 181)  
}
```

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(181, 94, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 94, 181) }
```

Border

The CSS property to change the border of an element to XYZ 31.3992, 21.1654, 46.1465 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(181, 94, 181) }
```


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

```
.border{ border-color:rgb(181, 94, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 94, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 94, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 94, 181);  
box-shadow:4px 4px 4px 4px rgb(181, 94,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3992, 21.1654, 46.1465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 94, 181) }
```

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

```
.background{ background-color: rgb(181, 94,  
181) }
```

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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