

Converting Colors

XYZ(31.1562, 21.8095, 45.2182)

Have a look what the booklet for
XYZ(31.1562, 21.8095, 45.2182)
contains.

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Color

**XYZ(31.1889, 21.7621,
45.2045)**

Conversions

Conversions Part 1

Format	Color
Hex	B363B3
RGB	179, 99, 179
RGB Percent	70%, 39%, 70%
CMY	0.2980, 0.6117, 0.2980
CMYK	0.00, 0.45, 0.00, 0.30
HSL	300°, 34%, 55%
HSV	300°, 45%, 70%
XYZ	31.1889, 21.7621, 45.2045
YIQ	132.0400, 22.0000, 41.8400

Conversions

Conversions Part 2

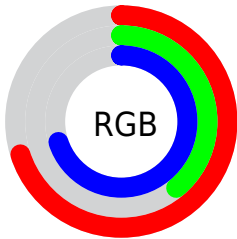
Format	Color
R _Y B	179, 99, 179
Decimal	11756467
CIE Lab	53.77, 44.12, -28.90
CIE LCh	54, 52.746, 326.775
Yxy	21.7621, 0.3177, 0.2217
Android (android.graphics.Color)	4289946547 (0xFFB363B3)
YUV	132.0400, 23.1513, 41.1839
Hunter-Lab	46.6499, 37.7032, -24.7981

Details

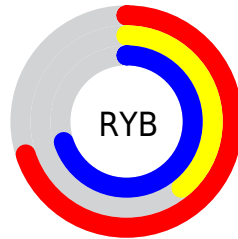
The XYZ color **31.1889, 21.7621, 45.2045** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.5187, 35.7944, 17.4751**, and the grayscale version is **21.8609, 22.9994, 25.0463**.

A 20% lighter version of the original color is **60.8157, 46.2875, 84.3263**, and **13.1350, 7.9053, 20.5723** is the 20% darker color. If you saturate the color by 10%, you get **29.6776, 18.7389, 44.7009**, and if you desaturate by 10%, it is **33.0776, 25.5389, 45.8343**.

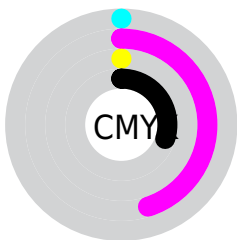
Distribution



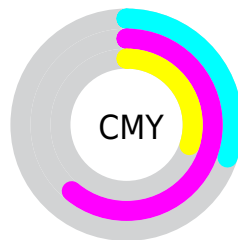
- Red (70%)
- Green (39%)
- Blue (70%)



- Red (70%)
- Yellow (39%)
- Blue (70%)



- Cyan (0%)
- Magenta (45%)
- Yellow (0%)
- Black (30%)



- Cyan (30%)
- Magenta (61%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1889, 21.7621, 45.2045 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 31.1889, 21.7621, 45.2045 by changing the saturation by 10% instead.

31.1889, 21.7621,
45.2045

31.1889, 21.7621,
45.2045

299.2190,
261.3014, 383.7854

20.8953, 13.6822,
31.2744

60.9112, 46.3525,
84.3489

13.1595, 7.9000,
20.5477

81.0705, 63.6318,
110.4003

7.6162, 4.0310,
12.6058

105.2492, 84.7463,
141.3292

3.9001, 1.6909,
7.0301

133.8124,
110.0804, 177.5542

1.6458, 0.4178,
3.4022

167.1257,
140.0186, 219.4937

0.4220, 0.0000,
1.3035

205.5543,

0.0000, 0.0000,

174.9453, 267.5664

0.0647

249.4636,
215.2447, 322.1908

■ 0.0000, 0.0000,
0.0000

■ 31.1889, 21.7621,
45.2045

■ 31.1889, 21.7621,
45.2045

■ 29.6776, 18.7389,
44.7009

■ 33.0776, 25.5389,
45.8343

■ 28.5162, 16.4162,
44.3137

■ 35.3641, 30.1120,
46.5965

■ 27.6774, 14.7386,
44.0341

■ 38.0704, 35.5245,
47.4986

■ 27.1286, 13.6410,
43.8511

■ 41.2158, 41.8153,
48.5471

■ 26.8305, 13.0448,
43.7517

■ 44.8187, 49.0211,
49.7482

■ 26.7273, 12.8385,
43.7173

■ 48.8964, 57.1765,
51.1074

■ 53.4652, 66.3141,
52.6304

■ 58.5407, 76.4651,
54.3223

■ 62.4874, 84.3585,
55.6379

Harmonies

Analogous

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



25.9843, 21.7621, 63.8349



31.1889, 21.7621, 45.2045



33.5635, 21.7621, 25.4925

Triad

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



31.1889, 21.7621, 45.2045



21.3026, 21.7621, 4.2114



12.4101, 21.7621, 40.6915

Complementary

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



31.1889, 21.7621, 45.2045



23.5187, 35.7944, 17.4751

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.



11.6102, 21.7621, 21.9845



31.1889, 21.7621, 45.2045



16.1588, 21.7621, 5.3402

Square

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



31.1889, 21.7621, 45.2045



27.2387, 21.7621, 6.0164



12.8508, 21.7621, 10.3916



15.2758, 21.7621, 60.4995

Rectangle

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



31.1889, 21.7621, 45.2045



32.9516, 21.7621, 15.7903



12.8508, 21.7621, 10.3916



11.9162, 21.7621, 33.8767

Sweetspot

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



31.1896, 21.7631, 45.2050



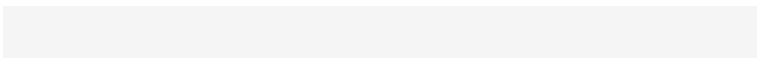
68.9607, 65.1796, 85.3274



17.7451, 14.8322, 44.5759



15.0227, 13.9294, 18.8191



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.



31.1896, 21.7631, 45.2050



53.0984, 33.4551, 80.0397



27.7133, 20.3725, 26.8988



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8924



0.5943, 0.2854, 0.9720

Inverse Universe

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



31.1896, 21.7631, 45.2050



53.0984, 33.4551, 80.0397



25.9268, 36.7576, 30.1556



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8924



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 31.1889, 21.7621, 45.2045 looks on a white background.

Color Contrast Check

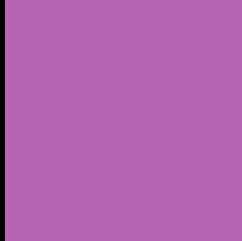
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1889, 21.7621, 45.2045 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 31.1889, 21.7621, 45.2045

Background



This preview shows how black text looks on a background with the XYZ color 31.1889, 21.7621, 45.2045.



This preview shows how white text looks on a background with the XYZ color 31.1889, 21.7621,

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

31.1889, 21.7621, 45.2045

Protanopia

23.4988, 22.1625, 58.2976

Deuteranopia

22.4318, 21.9477, 43.0985



Tritanopia

26.2586, 21.7395, 20.9013

Trichromacy



Original Color

31.1889, 21.7621, 45.2045

Protanomaly

25.0402, 21.2400, 53.2320

Deuteranomaly

24.8452, 21.3461, 43.8850

Tritanomaly

27.8194, 21.5823, 28.2908

Monochromacy



Original Color

31.1889, 21.7621, 45.2045

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.5357, 21.9924, 31.3856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1889, 21.7621, 45.2045 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(179, 99, 179)` looks like.

```
.text, #text, p{  
    color:rgb(179, 99, 179)  
}
```

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(179, 99, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 99, 179) }
```

Border

The CSS property to change the border of an element to XYZ 31.1889, 21.7621, 45.2045 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(179, 99, 179) }
```


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

```
.border{ border-color:rgb(179, 99, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 99, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 99, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 99, 179); box-shadow:4px 4px 4px 4px rgb(179, 99, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1889, 21.7621, 45.2045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 99, 179) }
```

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

```
.background{ background-color: rgb(179, 99,  
179) }
```

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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