

Converting Colors

XYZ(31.1148, 20.6191, 46.5872)

Have a look what the booklet for
XYZ(31.1148, 20.6191, 46.5872)
contains.

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Color

**XYZ(31.0070, 20.5629,
46.5908)**

Conversions

Conversions Part 1

Format	Color
Hex	B45BB6
RGB	180, 91, 182
RGB Percent	71%, 36%, 71%
CMY	0.2941, 0.6431, 0.2863
CMYK	0.01, 0.50, 0.00, 0.29
HSL	299°, 38%, 54%
HSV	299°, 50%, 71%
XYZ	31.0070, 20.5629, 46.5908
YIQ	127.9850, 23.8330, 47.1690

Conversions

Conversions Part 2

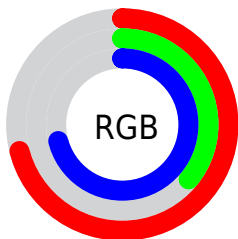
Format	Color
R_{YB}	180, 91, 182
Decimal	11819958
CIE _{Lab}	52.47, 49.08, -32.66
CIE _{LCh}	52, 58.955, 326.356
Yxy	20.5629, 0.3159, 0.2095
Android (android.graphics.Color)	4290010038 (0xFFB45BB6)
YUV	127.9850, 26.6294, 45.6172
Hunter-Lab	45.3463, 42.6990, -29.1747

Details

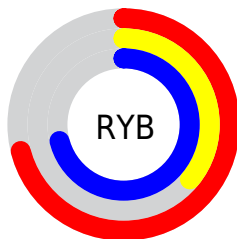
The XYZ color **31.0070, 20.5629, 46.5908** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.1312, 36.5389, 15.7321**, and the grayscale version is **20.4182, 21.4815, 23.3934**.

A 20% lighter version of the original color is **60.6658, 44.2967, 86.2416**, and **13.1130, 7.3312, 21.4928** is the 20% darker color. If you saturate the color by 10%, you get **29.5430, 17.7724, 46.1296**, and if you desaturate by 10%, it is **32.8500, 24.1099, 47.1786**.

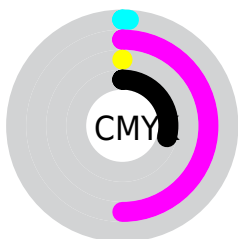
Distribution



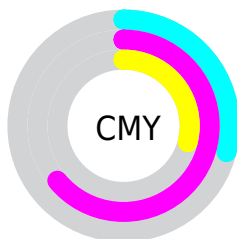
- Red (71%)
- Green (36%)
- Blue (71%)



- Red (71%)
- Yellow (36%)
- Blue (71%)



- Cyan (1%)
- Magenta (50%)
- Yellow (0%)
- Black (29%)




- Cyan (29%)
- Magenta (64%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0070, 20.5629, 46.5908 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 31.0070, 20.5629, 46.5908 by changing the saturation by 10% instead.

 31.0070, 20.5629,
46.5908


 31.0070, 20.5629,
46.5908


298.3969,
254.9463, 389.5252

 20.7560, 12.8049,
32.3603


 60.6269, 44.3589,
86.4461


 13.0572, 7.2943,
21.3697


 80.7265, 61.1657,
112.9079

 7.5452, 3.6468,
13.2007


 104.8396, 81.7576,
144.2838

 3.8547, 1.4780,
7.4345

 133.3318,
106.5189, 180.9925

 1.6203, 0.2732,
3.6528

166.5682,
135.8340, 223.4525

 0.4056, 0.0000,
1.4368

204.9143,

 0.0000, 0.0000,

170.0874, 272.0822

0.1702

248.7354,
209.6633, 327.3002

■ 0.0000, 0.0000,
0.0000

■ 31.0070, 20.5629,
46.5908

■ 31.0070, 20.5629,
46.5908

■ 29.5430, 17.7724,
46.1296

■ 32.8500, 24.1099,
47.1786

■ 28.4280, 15.6801,
45.7845

■ 35.0947, 28.4606,
47.9001

■ 27.6313, 14.2239,
45.5455


■ 37.7648, 33.6616,
48.7632


■ 27.1156, 13.3293,
45.4000


■ 40.8814, 39.7551,
49.7751


■ 26.8041, 12.8427,
45.3225


■ 44.4641, 46.7805,
50.9423

 26.8041, 12.8426,
45.3224

 48.5315, 54.7749,
52.2710

 53.1011, 63.7733,
53.7671

 58.1896, 73.8092,
55.4360

 63.8129, 84.9142,
57.2831

Harmonies

Analogous

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



25.2192, 20.5629, 67.9050



31.0070, 20.5629, 46.5908



33.7190, 20.5629, 24.5897

Triad

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



31.0070, 20.5629, 46.5908



20.2983, 20.5629, 2.8255



10.8156, 20.5629, 40.8279

Complementary

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



31.0070, 20.5629, 46.5908



23.1312, 36.5389, 15.7321

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.



10.0307, 20.5629, 20.3246



31.0070, 20.5629, 46.5908



14.7920, 20.5629, 3.7760

Square

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



31.0070, 20.5629, 46.5908



26.7784, 20.5629, 4.4649



11.3251, 20.5629, 8.4726



13.7468, 20.5629, 63.5356

Rectangle

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



31.0070, 20.5629, 46.5908



33.0753, 20.5629, 14.2092



11.3251, 20.5629, 8.4726



10.3221, 20.5629, 33.2270

Sweetspot

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



31.0077, 20.5638, 46.5912



71.0440, 66.0622, 89.2426



16.7644, 13.6139, 46.0005



15.4342, 14.0883, 19.6275



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.0077, 20.5638, 46.5912



53.3270, 31.7788, 83.5590



27.7325, 19.3079, 26.8970



9.3609, 9.1524, 11.3527



18.9364, 9.0733, 32.0063



0.6737, 0.3230, 1.1286

Inverse Universe

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



25.0090, 18.2185, 12.5552



41.2587, 27.0712, 14.6026



25.3090, 37.3870, 28.2432



9.0124, 9.0153, 9.4127



13.6421, 7.0306, 0.7362



0.4836, 0.2489, 0.0403

Previews

White Background



This preview shows how the XYZ color 31.0070, 20.5629, 46.5908 looks on a white background.

Color Contrast Check

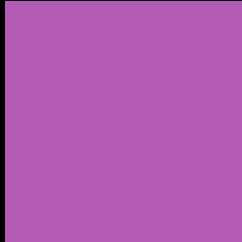
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0070, 20.5629, 46.5908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

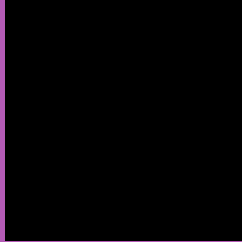
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0070, 20.5629, 46.5908

Background



This preview shows how black text looks on a background with the XYZ color 31.0070, 20.5629, 46.5908.

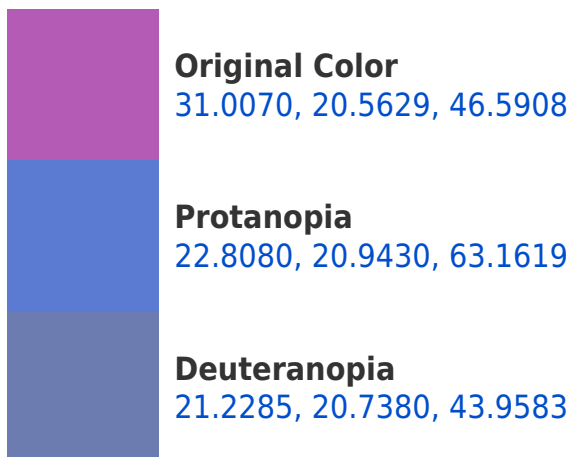


This preview shows how white text looks on a background with the XYZ color 31.0070, 20.5629,

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





Tritanopia

25.3655, 20.5239, 18.8442

Trichromacy



Original Color

31.0070, 20.5629, 46.5908

Protanomaly

24.1616, 19.7034, 56.5625

Deuteranomaly

23.6616, 19.8710, 44.7079

Tritanomaly

26.9931, 20.2854, 26.9189

Monochromacy



Original Color

31.0070, 20.5629, 46.5908

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.5087, 20.6026, 30.7546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0070, 20.5629, 46.5908 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(180, 91, 182)` looks like.

```
.text, #text, p{  
    color:rgb(180, 91, 182)  
}
```

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(180, 91, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 91, 182) }
```

Border

The CSS property to change the border of an element to XYZ 31.0070, 20.5629, 46.5908 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(180, 91, 182) }
```


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

```
.border{ border-color:rgb(180, 91, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 91, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 91, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 91, 182);  
box-shadow:4px 4px 4px 4px rgb(180, 91,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0070, 20.5629, 46.5908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 91, 182) }
```

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

```
.background{ background-color: rgb(180, 91,  
182) }
```

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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