

Converting Colors

XYZ(31.1340, 20.6844, 50.1804)

Have a look what the booklet for
XYZ(31.1340, 20.6844, 50.1804)
contains.

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Color

**XYZ(31.0357, 20.6322,
49.9236)**

Conversions

Conversions Part 1

Format	Color
Hex	B15CBC
RGB	177, 92, 188
RGB Percent	69%, 36%, 74%
CMY	0.3059, 0.6392, 0.2627
CMYK	0.06, 0.51, 0.00, 0.26
HSL	293°, 42%, 55%
HSV	293°, 51%, 74%
XYZ	31.0357, 20.6322, 49.9236
YIQ	128.3590, 19.8440, 47.8760

Conversions

Conversions Part 2

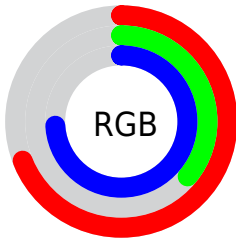
Format	Color
RYB	177, 92, 188
Decimal	11623612
CIELab	52.54, 48.86, -36.04
CIElCh	53, 60.711, 323.583
Yxy	20.6322, 0.3055, 0.2031
Android (android.graphics.Color)	4289813692 (0xFFB15CBC)
YUV	128.3590, 29.4030, 42.6582
Hunter-Lab	45.4227, 42.4730, -33.3691

Details

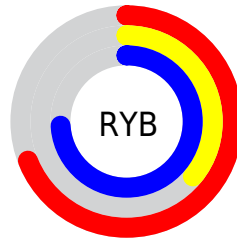
The XYZ color **31.0357, 20.6322, 49.9236** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **25.5091, 39.6232, 16.4296**, and the grayscale version is **20.5393, 21.6089, 23.5321**.

A 20% lighter version of the original color is **60.5385, 44.3358, 91.7531**, and **13.0546, 7.3098, 23.2771** is the 20% darker color. If you saturate the color by 10%, you get **29.1181, 17.5191, 49.4241**, and if you desaturate by 10%, it is **33.3666, 24.5592, 50.5590**.

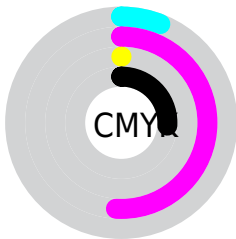
Distribution



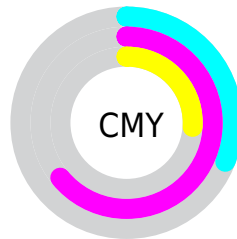
- Red (69%)
- Green (36%)
- Blue (74%)



- Red (69%)
- Yellow (36%)
- Blue (74%)



- Cyan (6%)
- Magenta (51%)
- Yellow (0%)
- Black (26%)



- Cyan (31%)
- Magenta (64%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0357, 20.6322, 49.9236 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 31.0357, 20.6322, 49.9236 by changing the saturation by 10% instead.

31.0357, 20.6322,
49.9236

31.0357, 20.6322,
49.9236

298.5267,
255.3173, 403.0936

20.7780, 12.8554,
34.9819

60.6717, 44.4746,
91.4568

13.0734, 7.3291,
23.3655

80.7808, 61.3090,
118.8854

7.5564, 3.6687,
14.6558

104.9043, 81.9314,
151.3135

3.8619, 1.4900,
8.4343

133.4077,
106.7262, 189.1594

1.6243, 0.2817,
4.2823

166.6562,
136.0778, 232.8419

0.4082, 0.0000,
1.7815

205.0154,

0.0000, 0.0000,

170.3706, 282.7794

0.4157

248.8504,
209.9890, 339.3904

■ 0.0000, 0.0000,
0.0000

■ 31.0357, 20.6322,
49.9236

■ 31.0357, 20.6322,
49.9236

■ 29.1181, 17.5191,
49.4241

■ 33.3666, 24.5592,
50.5590

■ 27.5811, 15.1563,
49.0490

■ 36.1359, 29.3522,
51.3382

■ 26.3905, 13.4750,
48.7873

■ 39.3695, 35.0618,
52.2699

■ 25.5052, 12.3929,
48.6250

■ 43.0902, 41.7344,
53.3617

■ 24.8997, 11.7877,
48.5401

■ 47.3198, 49.4128,
54.6209

■ 52.0783, 58.1374,
56.0541

■ 57.3850, 67.9465,
57.6677

■ 63.2580, 78.8763,
59.4679

■ 67.7032, 86.9387,
60.7898

Harmonies

Analogous

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



24.8553, 20.6322, 71.4781



31.0357, 20.6322, 49.9236



34.2434, 20.6322, 26.5608

Triad

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



31.0357, 20.6322, 49.9236



20.9926, 20.6322, 2.6350



10.4866, 20.6322, 39.3581

Complementary

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



31.0357, 20.6322, 49.9236



25.5091, 39.6232, 16.4296

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.



9.8832, 20.6322, 18.8135



31.0357, 20.6322, 49.9236



15.1605, 20.6322, 3.3293

Square

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



31.0357, 20.6322, 49.9236



27.6980, 20.6322, 4.5347



11.4021, 20.6322, 7.5426



13.2735, 20.6322, 63.4301

Rectangle

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



31.0357, 20.6322, 49.9236



33.8644, 20.6322, 15.2754



11.4021, 20.6322, 7.5426



10.0503, 20.6322, 31.6165

Sweetspot

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



31.0364, 20.6331, 49.9240



75.1630, 70.3603, 95.8456



18.3617, 15.6474, 49.6297



15.8587, 14.5844, 20.5218



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.



31.0364, 20.6331, 49.9240



52.4826, 31.2935, 89.5003



30.1690, 20.5873, 31.7478



9.8194, 9.6393, 12.0152



16.9929, 8.0462, 33.0504



0.6966, 0.3311, 1.2961

Inverse Universe

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



27.0150, 19.3257, 15.1391



44.6784, 28.8291, 18.7093



26.3467, 39.8219, 26.9979



9.5734, 9.5537, 10.1427



14.2304, 7.3233, 1.2407



0.5723, 0.2928, 0.1270

Previews

White Background



This preview shows how the XYZ color 31.0357, 20.6322, 49.9236 looks on a white background.

Color Contrast Check

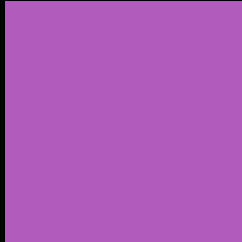
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0357, 20.6322, 49.9236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

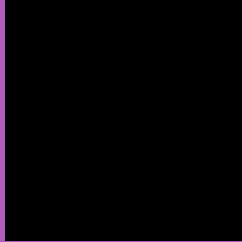
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0357, 20.6322, 49.9236

Background



This preview shows how black text looks on a background with the XYZ color 31.0357, 20.6322, 49.9236.



This preview shows how white text looks on a background with the XYZ color 31.0357, 20.6322,

49.9236.

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

31.0357, 20.6322, 49.9236

Protanopia

23.1865, 21.0506, 67.1311

Deuteranopia

21.3706, 20.9282, 47.1692



Tritanopia

24.8871, 20.5701, 19.7983

Trichromacy



Original Color

31.0357, 20.6322, 49.9236



Protanomaly

24.4214, 19.9181, 60.3150



Deuteranomaly

23.7628, 20.0168, 47.9586



Tritanomaly

26.6028, 20.3416, 28.5108

Monochromacy



Original Color

31.0357, 20.6322, 49.9236



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

23.4898, 20.5745, 31.5874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0357, 20.6322, 49.9236 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(177, 92, 188)` looks like.

```
.text, #text, p{  
    color:rgb(177, 92, 188)  
}
```

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(177, 92, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 92, 188) }
```

Border

The CSS property to change the border of an element to XYZ 31.0357, 20.6322, 49.9236 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(177, 92, 188) }
```


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

```
.border{ border-color:rgb(177, 92, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 92, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 92, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 92, 188);  
box-shadow:4px 4px 4px 4px rgb(177, 92,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0357, 20.6322, 49.9236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 92, 188) }
```

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

```
.background{ background-color: rgb(177, 92,  
188) }
```

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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