

Converting Colors

XYZ(31.8099, 25.1032, 36.7556)

Have a look what the booklet for
XYZ(31.8099, 25.1032, 36.7556)
contains.

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Color

**XYZ(31.8504, 25.1195,
36.8881)**

Conversions

Conversions Part 1

Format	Color
Hex	B575A1
RGB	181, 117, 161
RGB Percent	71%, 46%, 63%
CMY	0.2902, 0.5412, 0.3686
CMYK	0.00, 0.35, 0.11, 0.29
HSL	319°, 30%, 58%
HSV	319°, 35%, 71%
XYZ	31.8504, 25.1195, 36.8881
YIQ	141.1520, 24.0200, 27.2520

Conversions

Conversions Part 2

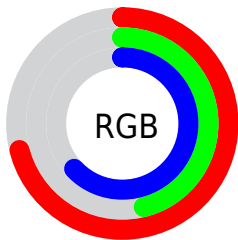
Format	Color
R_{YB}	181, 117, 161
Decimal	11892129
CIE _{Lab}	57.19, 31.81, -13.23
CIE _{LCh}	57, 34.453, 337.415
Yxy	25.1195, 0.3393, 0.2676
Android (android.graphics.Color)	4290082209 (0xFFB575A1)
YUV	141.1520, 9.7851, 34.9467
Hunter-Lab	50.1194, 25.7263, -8.5542

Details

The XYZ color **31.8504, 25.1195, 36.8881** is a light color, and the websafe version is hex **996699**. A complement of this color would be **28.3764, 38.6366, 29.6306**, and the grayscale version is **25.3339, 26.6532, 29.0253**.

A 20% lighter version of the original color is **62.0293, 51.8845, 71.7111**, and **13.5199, 9.6305, 15.6143** is the 20% darker color. If you saturate the color by 10%, you get **29.4544, 21.1075, 33.6839**, and if you desaturate by 10%, it is **34.6782, 29.9583, 40.3482**.

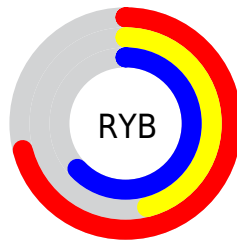
Distribution



Red (71%)

Green (46%)

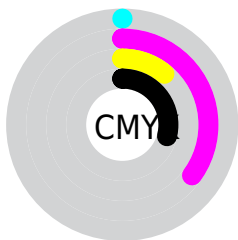
Blue (63%)



Red (71%)

Yellow (46%)

Blue (63%)

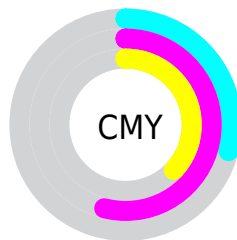


Cyan (0%)

Magenta (35%)

Yellow (11%)

Black (29%)



Cyan (29%)


Magenta (54%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8504, 25.1195, 36.8881 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 31.8504, 25.1195, 36.8881 by changing the saturation by 10% instead.

 31.8504, 25.1195,
36.8881


 31.8504, 25.1195,
36.8881


302.1946,
278.4325, 347.9799

 21.4023, 16.1661,
24.8258


 61.9433, 51.8510,
71.5851

 13.5325, 9.6418,
15.7294


 82.3187, 70.3979,
95.0567

 7.8757, 5.1621,
9.1806


 106.7339, 92.9115,
123.1686

 4.0667, 2.3427,
4.7608

135.5543,
119.7761, 156.3392

 1.7399, 0.7962,
2.0513

169.1452,
151.3761, 194.9871

 0.4811, 0.0000,
0.5866

207.8720,

 0.0000, 0.0000,

188.0959, 239.5309

0.0000

252.1000,
230.3199, 290.3889

■ 31.8504, 25.1195,
36.8881

■ 31.8504, 25.1195,
36.8881

■ 29.4544, 21.1075,
33.6839

■ 34.6782, 29.9583,
40.3482

■ 27.4641, 17.8716,
30.7245

■ 37.9576, 35.6639,
44.0713

■ 25.8539, 15.3607,
28.0002

■ 41.7097, 42.2780,
48.0662

■ 24.5942, 13.5164,
25.4998

■ 45.9537, 49.8384,
52.3406

■ 23.6511, 12.2708,
23.2101

■ 50.7077, 58.3809,
56.9019

■ 22.9823, 11.5402,
21.1157

■ 55.9889, 67.9393,
61.7572

■ 22.7220, 11.2902,
20.1949

■ 61.8135, 78.5458,
66.9131

■ 65.9877, 85.8125,
71.6398

■ 66.6887, 86.0928,
75.3308

Harmonies

Analogous

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



28.9503, 25.1195, 49.2812



31.8504, 25.1195, 36.8881



32.5025, 25.1195, 24.5603

Triad

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



31.8504, 25.1195, 36.8881



22.8800, 25.1195, 10.6077



18.1858, 25.1195, 43.3449

Complementary

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



31.8504, 25.1195, 36.8881



28.3764, 38.6366, 29.6306

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.



16.9282, 25.1195, 30.3451



31.8504, 25.1195, 36.8881



19.4310, 25.1195, 13.1373

Square

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



31.8504, 25.1195, 36.8881



27.0072, 25.1195, 11.4427



17.3568, 25.1195, 19.6179



20.9954, 25.1195, 53.6874

Rectangle

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



31.8504, 25.1195, 36.8881



31.5140, 25.1195, 18.2784



17.3568, 25.1195, 19.6179



17.5830, 25.1195, 39.0166

Sweetspot

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



31.8512, 25.1206, 36.8886



70.6800, 68.6145, 81.8558



24.8887, 21.3110, 46.5183



15.0874, 14.4973, 17.4888



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.



31.8512, 25.1206, 36.8886



53.8187, 39.5720, 61.8070



29.4341, 24.1538, 24.1608



8.7347, 8.6006, 10.1015



15.6962, 7.7960, 14.0919



0.5187, 0.2552, 0.5743

Inverse Universe

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



31.8512, 25.1206, 36.8886



53.8187, 39.5720, 61.8070



30.9474, 39.6650, 43.1694



8.7347, 8.6006, 10.1015



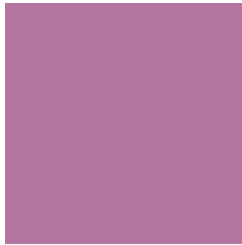
15.6962, 7.7960, 14.0919



0.5187, 0.2552, 0.5743

Previews

White Background



This preview shows how the XYZ color 31.8504, 25.1195, 36.8881 looks on a white background.

Color Contrast Check

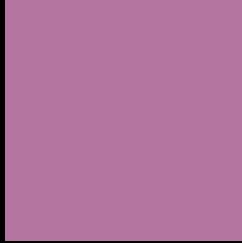
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8504, 25.1195, 36.8881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

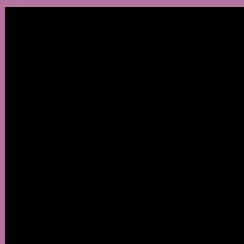
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8504, 25.1195, 36.8881

Background



This preview shows how black text looks on a background with the XYZ color 31.8504, 25.1195, 36.8881.



This preview shows how white text looks on a background with the XYZ color 31.8504, 25.1195,

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

31.8504, 25.1195, 36.8881

Protanopia

25.3462, 25.2535, 43.5829

Deuteranopia

25.6812, 25.1815, 35.8547



Tritanopia

29.6079, 25.2968, 25.1521

Trichromacy



Original Color

31.8504, 25.1195, 36.8881

Protanomaly

27.0443, 24.7681, 40.8915

Deuteranomaly

27.6875, 25.0095, 36.1689

Tritanomaly

30.3857, 25.2416, 29.2572

Monochromacy



Original Color

31.8504, 25.1195, 36.8881

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.3069, 25.7086, 31.5400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8504, 25.1195, 36.8881 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, 117, 161)` looks like.

```
.text, #text, p{  
    color:rgb(181, 117, 161)  
}
```

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, 117, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 117, 161) }
```

Border

The CSS property to change the border of an element to XYZ 31.8504, 25.1195, 36.8881 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, 117, 161) }
```


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

```
.border{ border-color:rgb(181, 117, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 117, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 117, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 117, 161);  
box-shadow:4px 4px 4px 4px rgb(181, 117,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8504, 25.1195, 36.8881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 117, 161) }
```

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

```
.background{ background-color: rgb(181,  
117, 161) }
```

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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