

Converting Colors

XYZ(36.0021, 31.7627, 57.3795)

Have a look what the booklet for
XYZ(36.0021, 31.7627, 57.3795)
contains.

XYZ(36.0145, 31.7480, 57.6559)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.0145, 31.7480,
57.6559)**

Conversions

Conversions Part 1

Format	Color
Hex	A88EC6
RGB	168, 142, 198
RGB Percent	66%, 56%, 78%
CMY	0.3412, 0.4431, 0.2235
CMYK	0.15, 0.28, 0.00, 0.22
HSL	268°, 33%, 67%
HSV	268°, 28%, 78%
XYZ	36.0145, 31.7480, 57.6559
YIQ	156.1580, -2.4800, 22.9280

Conversions

Conversions Part 2

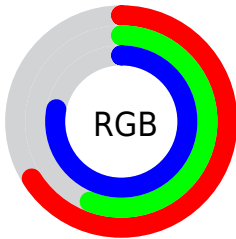
Format	Color
R_{YB}	168, 142, 198
Decimal	11046598
CIE _{Lab}	63.13, 20.72, -25.37
CIE _{LCh}	63, 32.752, 309.238
Yxy	31.7480, 0.2872, 0.2531
Android (android.graphics.Color)	4289236678 (0xFFA88EC6)
YUV	156.1580, 20.6281, 10.3854
Hunter-Lab	56.3454, 15.4882, -21.2273

Details

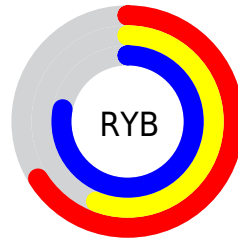
The XYZ color **36.0145, 31.7480, 57.6559** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.0907, 51.1125, 33.2398**, and the grayscale version is **31.5829, 33.2277, 36.1849**.

A 20% lighter version of the original color is **68.5304, 62.5471, 103.0686**, and **15.9314, 13.3127, 28.1155** is the 20% darker color. If you saturate the color by 10%, you get **31.1595, 25.2542, 56.6589**, and if you desaturate by 10%, it is **41.5791, 39.3859, 58.8374**.

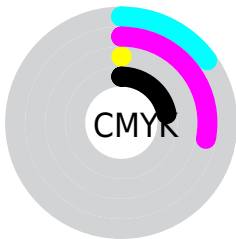
Distribution



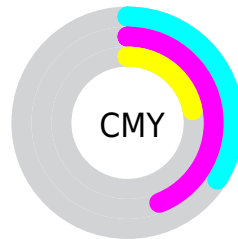
- Red (66%)
- Green (56%)
- Blue (78%)



- Red (66%)
- Yellow (56%)
- Blue (78%)



- Cyan (15%)
- Magenta (28%)
- Yellow (0%)
- Black (22%)



- Cyan (34%)
- Magenta (44%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0145, 31.7480, 57.6559 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 36.0145, 31.7480, 57.6559 by changing the saturation by 10% instead.

■ 36.0145, 31.7480,
57.6559

■ 36.0145, 31.7480,
57.6559

320.4540,
309.9697, 433.4649

■ 24.6156, 21.1691,
41.1192

■ 68.3782, 62.4158,
102.9314

■ 15.9181, 13.2477,
28.0918

■ 90.0736, 83.2735,
132.5073

■ 9.5567, 7.5993,
18.1553

■ 115.9319,
108.3263, 167.2667

■ 5.1660, 3.8396,
10.8909

146.3185,
137.9585, 207.6281

■ 2.3808, 1.5843,
5.8803

181.5986,
172.5545, 254.0101

■ 0.8355, 0.3470,
2.7048

222.1377,

■ 0.0000, 0.0000,

212.4988, 306.8312

0.9458

268.3010,
258.1758, 366.5100

■ 0.0000, 0.0000,
0.0000

■ 36.0145, 31.7480,
57.6559

■ 36.0145, 31.7480,
57.6559

■ 31.1595, 25.2542,
56.6589

■ 41.5791, 39.3859,
58.8374

■ 26.9788, 19.8429,
55.8347

■ 47.8800, 48.2175,
60.2100

■ 23.4388, 15.4526,
55.1739

■ 54.9464, 58.2941,
61.7825

■ 20.5011, 12.0137,
54.6650

■ 62.8046, 69.6628,
63.5627

■ 18.1229, 9.4478,
54.2950

■ 71.4800, 82.3682,
65.5579

■ 16.2542, 7.6627,
54.0490

■ 79.1169, 92.6938,
67.1484

■ 14.8207, 6.5177,
53.9035

■ 82.6579, 94.5192,
67.3141

■ 14.5996, 6.3489,
53.8826

■ 86.4102, 96.4536,
67.4897

■ 87.1931, 96.8573,
67.5264

Harmonies

Analogous

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



31.5926, 31.7480, 65.4207



36.0145, 31.7480, 57.6559



39.0549, 31.7480, 44.1647

Triad

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



36.0145, 31.7480, 57.6559



33.3628, 31.7480, 16.1247



22.3834, 31.7480, 38.7207

Complementary

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



36.0145, 31.7480, 57.6559



42.0907, 51.1125, 33.2398

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.



22.7556, 31.7480, 26.4734



36.0145, 31.7480, 57.6559



28.8014, 31.7480, 15.3591

Square

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



36.0145, 31.7480, 57.6559



37.4209, 31.7480, 21.0915



25.0044, 31.7480, 18.6499



23.9315, 31.7480, 52.8268

Rectangle

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



36.0145, 31.7480, 57.6559



39.7282, 31.7480, 34.9001



25.0044, 31.7480, 18.6499



22.2918, 31.7480, 34.2384

Sweetspot

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



36.0155, 31.7493, 57.6566



84.9769, 85.6537, 106.6618



36.2547, 39.6396, 59.1670



17.8046, 17.7910, 22.7456



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.0155, 31.7493, 57.6566



58.2764, 48.8264, 100.9607



42.4243, 35.0531, 57.9565



10.5169, 10.5247, 13.3947



9.5911, 4.1787, 35.0454



0.5375, 0.2408, 1.6633

Inverse Universe

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



40.4090, 34.3315, 43.5276



67.5313, 54.2694, 71.0351



36.7194, 48.3435, 32.9884



10.8674, 10.7303, 12.2850



16.8831, 8.5028, 9.8603



0.8357, 0.4171, 0.6582

Previews

White Background



This preview shows how the XYZ color 36.0145, 31.7480, 57.6559 looks on a white background.

Color Contrast Check

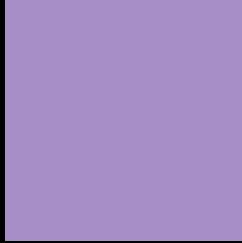
Large Text (above 18pt) WCAG AA × Fail

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 36.0145, 31.7480, 57.6559 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 ✓ Pass

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

XYZ 36.0145, 31.7480, 57.6559

Background



This preview shows how black text looks on a background with the XYZ color 36.0145, 31.7480, 57.6559.



This preview shows how white text looks on a background with the XYZ color 36.0145, 31.7480,

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

36.0145, 31.7480, 57.6559

Protanopia

32.5673, 31.9443, 62.2070

Deuteranopia

32.5472, 31.8180, 56.6506



Tritanopia

32.0808, 31.7495, 38.1556

Trichromacy



Original Color

36.0145, 31.7480, 57.6559

Protanomaly

33.6450, 31.8336, 60.2483

Deuteranomaly

33.6486, 31.6710, 57.1630

Tritanomaly

33.2287, 31.5063, 44.3744

Monochromacy



Original Color

36.0145, 31.7480, 57.6559

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.9145, 32.5471, 43.0755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0145, 31.7480, 57.6559 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(168, 142, 198)` looks like.

```
.text, #text, p{  
    color:rgb(168, 142, 198)  
}
```

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(168, 142, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 142, 198) }
```

Border

The CSS property to change the border of an element to XYZ 36.0145, 31.7480, 57.6559 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(168, 142, 198) }
```


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

```
.border{ border-color:rgb(168, 142, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 142, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 142, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 142, 198);  
box-shadow:4px 4px 4px 4px rgb(168, 142,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0145, 31.7480, 57.6559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 142, 198) }
```

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

```
.background{ background-color: rgb(168,  
142, 198) }
```

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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