

Converting Colors

XYZ(31.8204, 33.9647, 59.5227)

Have a look what the booklet for
XYZ(31.8204, 33.9647, 59.5227)
contains.

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Color

**XYZ(31.7485, 33.8238,
59.4989)**

Conversions

Conversions Part 1

Format	Color
Hex	7FA0C8
RGB	127, 160, 200
RGB Percent	50%, 63%, 78%
CMY	0.5019, 0.3725, 0.2157
CMYK	0.36, 0.20, 0.00, 0.22
HSL	213°, 40%, 64%
HSV	213°, 36%, 78%
XYZ	31.7485, 33.8238, 59.4989
YIQ	154.6930, -32.5080, 5.4440

Conversions

Conversions Part 2

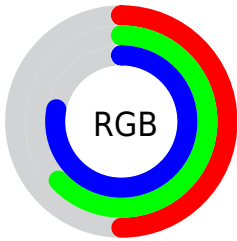
Format	Color
R _Y B	127, 150, 200
Decimal	8364232
CIE Lab	64.82, -1.45, -24.16
CIE LCh	65, 24.205, 266.564
Yxy	33.8238, 0.2538, 0.2704
Android (android.graphics.Color)	4286554312 (0xFF7FA0C8)
YUV	154.6930, 22.3364, -24.2868
Hunter-Lab	58.1582, -4.3340, -19.9460

Details

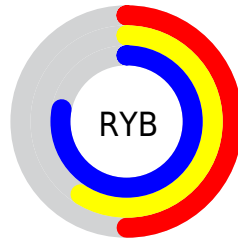
The XYZ color **31.7485, 33.8238, 59.4989** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.4695, 41.4496, 25.8945**, and the grayscale version is **30.9358, 32.5469, 35.4435**.

A 20% lighter version of the original color is **61.6418, 65.7660, 104.0530**, and **13.4810, 14.4684, 29.2763** is the 20% darker color. If you saturate the color by 10%, you get **27.2437, 28.8051, 58.7682**, and if you desaturate by 10%, it is **37.0143, 39.4849, 60.3147**.

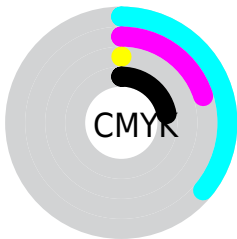
Distribution



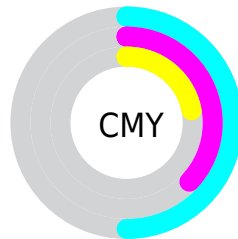
- Red (50%)
- Green (63%)
- Blue (78%)



- Red (50%)
- Yellow (59%)
- Blue (78%)



- Cyan (36%)
- Magenta (20%)
- Yellow (0%)
- Black (22%)



- Cyan (50%)
- Magenta (37%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7485, 33.8238, 59.4989 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 31.7485, 33.8238, 59.4989 by changing the saturation by 10% instead.

■ 31.7485, 33.8238,
59.4989

■ 31.7485, 33.8238,
59.4989

301.7377,
319.3457, 440.5015

■ 21.3241, 22.7583,
42.5922

■ 61.7845, 65.6596,
105.6387

■ 13.4749, 14.4151,
29.2363

■ 82.1267, 87.1986,
135.7088

■ 7.8356, 8.4099,
19.0125

■ 106.5057,
112.9976, 171.0039

■ 4.0409, 4.3584,
11.5024

135.2866,
143.4409, 211.9423

■ 1.7253, 1.8760,
6.2874

168.8349,
178.9130, 258.9428

■ 0.4720, 0.5339,
2.9490

207.5160,

■ 0.0000, 0.0000,

219.7982, 312.4238

1.0687

251.6951,
266.4810, 372.8039

■ 0.0000, 0.0000,
0.0000

■ 31.7485, 33.8238,
59.4989

■ 31.7485, 33.8238,
59.4989

■ 27.2437, 28.8051,
58.7682

■ 37.0143, 39.4849,
60.3147

■ 23.4570, 24.3981,
58.1172

■ 43.0741, 45.8093,
61.2160

■ 20.3462, 20.5752,
57.5432

■ 49.9630, 52.8218,
62.2065

■ 17.8627, 17.3042,
57.0428

■ 57.7128, 60.5447,
63.2887

■ 15.9505, 14.5492,
56.6118

■ 66.3536, 68.9988,
64.4651

■ 14.5382, 12.2655,
56.2454

■ 75.9142, 78.2045,
65.7380

■ 14.1167, 11.5526,
56.1300

■ 81.8668, 85.8329,
66.8967

■ 85.1322, 92.3636,
67.9852

■ 87.4254, 96.9502,
68.7496

Harmonies

Analogous

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



28.5957, 33.8238, 55.2772



31.7485, 33.8238, 59.4989



35.2392, 33.8238, 56.7990

Triad

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



31.7485, 33.8238, 59.4989



38.5224, 33.8238, 28.8955



26.8744, 33.8238, 27.2335

Complementary

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



31.7485, 33.8238, 59.4989



41.4695, 41.4496, 25.8945

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.



29.2440, 33.8238, 22.1916



31.7485, 33.8238, 59.4989



35.9841, 33.8238, 23.0225

Square

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



31.7485, 33.8238, 59.4989



39.3122, 33.8238, 37.9908



32.5519, 33.8238, 20.8011



25.9127, 33.8238, 35.6899

Rectangle

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



31.7485, 33.8238, 59.4989



37.2641, 33.8238, 51.6621



32.5519, 33.8238, 20.8011



27.5240, 33.8238, 25.1464

Sweetspot

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



31.7496, 33.8251, 59.4997



80.7642, 85.6456, 106.8823



36.2843, 48.5720, 43.5082



16.9373, 17.9756, 22.8269



0.0000, 0.0000, 0.0000



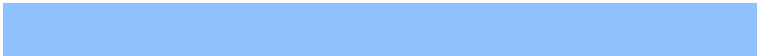
20.3446, 21.4041, 23.3091

Same Dimension

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



31.7496, 33.8251, 59.4997



48.5287, 51.4131, 101.9737



27.1348, 24.0510, 57.8563



10.4449, 11.0640, 13.5025



9.0628, 7.5195, 35.7181



0.5012, 0.5003, 1.7153

Inverse Universe

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



37.7548, 29.9971, 37.0593



60.7165, 44.7185, 56.1895



47.6604, 54.7885, 28.1429



10.8299, 10.7153, 12.0873



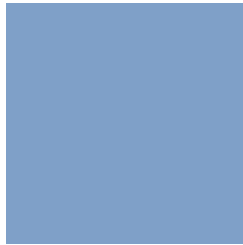
16.3738, 8.2991, 7.1783



0.8117, 0.4075, 0.5316

Previews

White Background



This preview shows how the XYZ color 31.7485, 33.8238, 59.4989 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 31.7485, 33.8238, 59.4989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

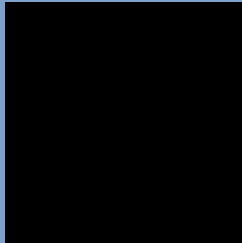
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

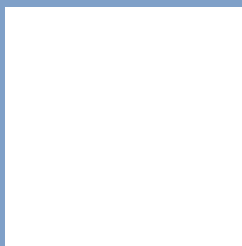
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7485, 33.8238, 59.4989

Background



This preview shows how black text looks on a background with the XYZ color 31.7485, 33.8238, 59.4989.



This preview shows how white text looks on a background with the XYZ color 31.7485, 33.8238,

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

31.7485, 33.8238, 59.4989

Protanopia

33.8320, 33.6770, 57.5405

Deuteranopia

34.4926, 33.7178, 59.9486



Tritanopia

29.0964, 33.7902, 46.5836

Trichromacy



Original Color

31.7485, 33.8238, 59.4989

Protanomaly

33.0652, 33.7666, 58.2010

Deuteranomaly

33.4156, 33.6567, 59.9935

Tritanomaly

30.0225, 33.9081, 50.8615

Monochromacy



Original Color

31.7485, 33.8238, 59.4989

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0847, 33.0740, 43.2736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7485, 33.8238, 59.4989 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(127, 160, 200)` looks like.

```
.text, #text, p{  
    color:rgb(127, 160, 200)  
}
```

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(127, 160, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 160, 200) }
```

Border

The CSS property to change the border of an element to XYZ 31.7485, 33.8238, 59.4989 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(127, 160, 200) }
```


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

```
.border{ border-color:rgb(127, 160, 200) }
```

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

Here you see how a box with a 4 pixel rgb(127, 160, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 160, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 160, 200);  
box-shadow:4px 4px 4px 4px rgb(127, 160,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7485, 33.8238, 59.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 160, 200) }
```

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

```
.background{ background-color: rgb(127,  
160, 200) }
```

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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