

Converting Colors

XYZ(31.8779, 35.3699, 45.7385)

Have a look what the booklet for
XYZ(31.8779, 35.3699, 45.7385)
contains.

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Color

**XYZ(31.8285, 35.2215,
45.6783)**

Conversions

Conversions Part 1

Format	Color
Hex	8CA4AF
RGB	140, 164, 175
RGB Percent	55%, 64%, 69%
CMY	0.4510, 0.3568, 0.3137
CMYK	0.20, 0.06, 0.00, 0.31
HSL	199°, 18%, 62%
HSV	199°, 20%, 69%
XYZ	31.8285, 35.2215, 45.6783
YIQ	158.0780, -17.8350, -1.6670

Conversions

Conversions Part 2

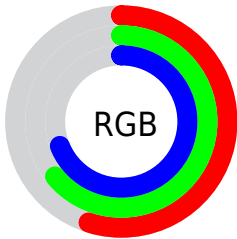
Format	Color
RYB	140, 154, 175
Decimal	9217199
CIELab	65.92, -5.89, -8.48
CIElCh	66, 10.325, 235.192
Yxy	35.2215, 0.2823, 0.3124
Android (android.graphics.Color)	4287407279 (0xFF8CA4AF)
YUV	158.0780, 8.3425, -15.8544
Hunter-Lab	59.3477, -8.1280, -4.0905

Details

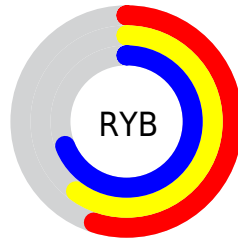
The XYZ color **31.8285, 35.2215, 45.6783** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4797, 33.1406, 29.4438**, and the grayscale version is **32.5047, 34.1975, 37.2411**.

A 20% lighter version of the original color is **62.0035, 67.9019, 85.4397**, and **13.4891, 15.1422, 20.9507** is the 20% darker color. If you saturate the color by 10%, you get **28.1483, 31.8957, 45.2309**, and if you desaturate by 10%, it is **36.0223, 38.8771, 46.1634**.

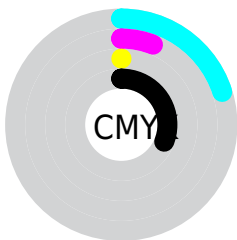
Distribution



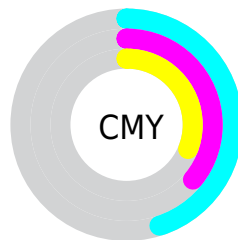
- Red (55%)
- Green (64%)
- Blue (69%)



- Red (55%)
- Yellow (60%)
- Blue (69%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)



- Cyan (45%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8285, 35.2215, 45.6783 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 31.8285, 35.2215, 45.6783 by changing the saturation by 10% instead.

■ 31.8285, 35.2215,
45.6783

■ 31.8285, 35.2215,
45.6783

302.0965,
325.5449, 385.7537

■ 21.3855, 23.8335,
31.6452

■ 61.9091, 67.8288,
85.0665

■ 13.5201, 15.2102,
20.8281

■ 82.2775, 89.8169,
111.2588

■ 7.8671, 8.9670,
12.8084

■ 106.6849,
116.1071, 142.3411

■ 4.0611, 4.7197,
7.1675

135.4968,
147.0840, 178.7322

■ 1.7368, 2.0837,
3.4871

169.0786,
183.1318, 220.8504

■ 0.4791, 0.6555,
1.3484

207.7955,

■ 0.0000, 0.0000,

224.6350, 269.1144

0.1010

252.0130,
271.9779, 323.9426

■ 0.0000, 0.0000,
0.0000

■ 31.8285, 35.2215,
45.6783

■ 31.8285, 35.2215,
45.6783

■ 28.1483, 31.8957,
45.2309

■ 36.0223, 38.8771,
46.1634

■ 24.9560, 28.8828,
44.8176

■ 40.7478, 42.8698,
46.6850

■ 22.2281, 26.1710,
44.4379

■ 46.0260, 47.2122,
47.2450

■ 19.9380, 23.7456,
44.0905

■ 51.8756, 51.9146,
47.8444

■ 18.0561, 21.5906,
43.7737

■ 58.3148, 56.9871,
48.4841

■ 16.5488, 19.6878,
43.4859

■ 65.3605, 62.4392,
49.1651

■ 15.3767, 18.0160,
43.2250

■ 70.2150, 66.8294,
49.7566

■ 14.4559, 16.5310,
42.9869

■ 71.5326, 69.4644,
50.1958

■ 14.4559, 16.5310,
42.9869

■ 72.8966, 72.1925,
50.6505

Harmonies

Analogous

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



30.8894, 35.2215, 42.0426



31.8285, 35.2215, 45.6783



33.2314, 35.2215, 47.3561

Triad

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



31.8285, 35.2215, 45.6783



36.4893, 35.2215, 39.0595



32.2425, 35.2215, 31.2322

Complementary

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



31.8285, 35.2215, 45.6783



33.4797, 33.1406, 29.4438

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.



33.7237, 35.2215, 30.5653



31.8285, 35.2215, 45.6783



36.2052, 35.2215, 34.8807

Square

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



31.8285, 35.2215, 45.6783



35.9465, 35.2215, 43.3541



35.1814, 35.2215, 31.8511



31.1233, 35.2215, 33.7470

Rectangle

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



31.8285, 35.2215, 45.6783



34.2524, 35.2215, 47.0525



35.1814, 35.2215, 31.8511



32.7133, 35.2215, 30.7930

Sweetspot

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



31.8295, 35.2229, 45.6791



67.6954, 72.3391, 83.0318



31.6912, 38.4541, 34.8184



14.9288, 15.9787, 18.4417



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.8295, 35.2229, 45.6791



53.9833, 60.3803, 81.4462



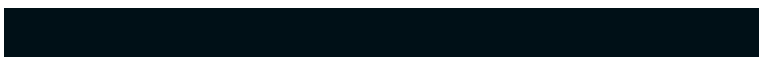
28.9874, 29.5387, 44.7317



8.0208, 8.6411, 10.1978



10.4090, 11.9519, 30.8029



0.3356, 0.4245, 0.8722

Inverse Universe

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



33.7589, 30.5512, 39.2413



58.1195, 50.6565, 67.5795



36.4160, 39.0133, 30.4226



8.2283, 8.1046, 9.5132



15.1176, 7.5096, 13.5308



0.4438, 0.2182, 0.4988

Previews

White Background



This preview shows how the XYZ color 31.8285, 35.2215, 45.6783 looks on a white background.

Color Contrast Check

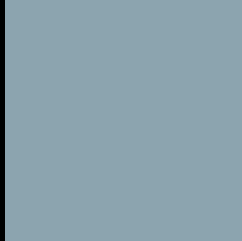
Large Text (above 18pt) WCAG AA × Fail

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 31.8285, 35.2215, 45.6783 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

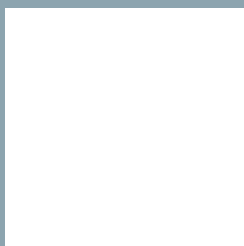
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8285, 35.2215, 45.6783

Background



This preview shows how black text looks on a background with the XYZ color 31.8285, 35.2215, 45.6783.



This preview shows how white text looks on a background with the XYZ color 31.8285, 35.2215,

45.6783.

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

31.8285, 35.2215, 45.6783

Protanopia

34.1426, 35.1458, 44.0140

Deuteranopia

35.9727, 35.2761, 46.5080



Tritanopia

32.0265, 35.3007, 46.7207

Trichromacy



Original Color

31.8285, 35.2215, 45.6783

Protanomaly

33.2366, 35.1823, 44.5743

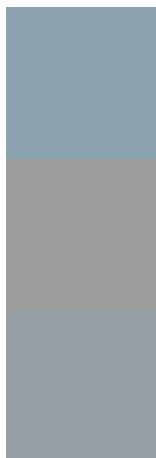
Deuteranomaly

34.3352, 35.2000, 46.0589

Tritanomaly

31.9271, 35.2610, 46.1976

Monochromacy



Original Color

31.8285, 35.2215, 45.6783

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.0341, 34.4013, 40.0737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8285, 35.2215, 45.6783 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(140, 164, 175) looks like.

```
.text, #text, p{  
    color:rgb(140, 164, 175)  
}
```

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(140, 164, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 164, 175) }
```

Border

The CSS property to change the border of an element to XYZ 31.8285, 35.2215, 45.6783 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(140, 164, 175) }
```


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

```
.border{ border-color:rgb(140, 164, 175) }
```

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

Here you see how a box with a 4 pixel rgb(140, 164, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 164, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 164, 175);  
box-shadow:4px 4px 4px 4px rgb(140, 164,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8285, 35.2215, 45.6783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 164, 175) }
```

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

```
.background{ background-color: rgb(140,  
164, 175) }
```

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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