

Converting Colors

XYZ(28.8092, 31.1119, 45.0442)

Have a look what the booklet for
XYZ(28.8092, 31.1119, 45.0442)
contains.

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Color

**XYZ(28.8092, 31.1119,
45.0442)**

Conversions

Conversions Part 1

Format	Color
Hex	849AAF
RGB	132, 154, 175
RGB Percent	52%, 60%, 69%
CMY	0.4823, 0.3961, 0.3137
CMYK	0.25, 0.12, 0.00, 0.31
HSL	209°, 21%, 60%
HSV	209°, 25%, 69%
XYZ	28.8092, 31.1119, 45.0442
YIQ	149.8160, -19.8530, 1.8670

Conversions

Conversions Part 2

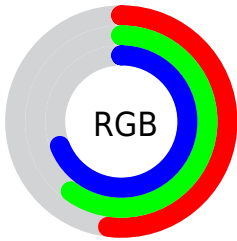
Format	Color
RYB	132, 147, 175
Decimal	8690351
CIELab	62.60, -2.93, -13.50
CIELCh	63, 13.819, 257.740
Yxy	31.1119, 0.2745, 0.2964
Android (android.graphics.Color)	4286880431 (0xFF849AAF)
YUV	149.8160, 12.4157, -15.6246
Hunter-Lab	55.7780, -5.4168, -8.8357

Details

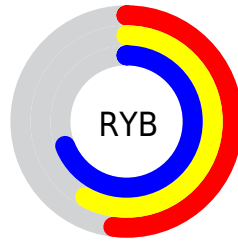
The XYZ color **28.8092, 31.1119, 45.0442** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2356, 33.5625, 26.5571**, and the grayscale version is **28.8673, 30.3707, 33.0737**.

A 20% lighter version of the original color is **57.2294, 61.3204, 84.4210**, and **11.8187, 12.8799, 20.6020** is the 20% darker color. If you saturate the color by 10%, you get **24.9383, 27.0972, 44.4738**, and if you desaturate by 10%, it is **33.2415, 35.5666, 45.6710**.

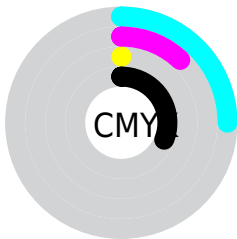
Distribution



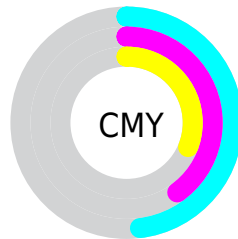
- Red (52%)
- Green (60%)
- Blue (69%)



- Red (52%)
- Yellow (58%)
- Blue (69%)



- Cyan (25%)
- Magenta (12%)
- Yellow (0%)
- Black (31%)



- Cyan (48%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8092, 31.1119, 45.0442 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 28.8092, 31.1119, 45.0442 by changing the saturation by 10% instead.

■ 28.8092, 31.1119,
45.0442

■ 28.8092, 31.1119,
45.0442

288.3241,
307.0535, 383.1179

■ 19.0801, 20.6841,
31.1490

■ 57.1735, 61.4162,
84.1059

■ 11.8325, 12.8933,
20.4529

■ 76.5393, 82.0615,
110.1095

■ 6.7011, 7.3551,
12.5374

■ 99.8481, 106.8813,
140.9863

■ 3.3206, 3.6851,
6.9838

127.4653,
136.2602, 177.1549

■ 1.3255, 1.4990,
3.3737

159.7561,
170.5825, 219.0339

■ 0.2022, 0.2881,
1.2885

197.0859,

■ 0.0000, 0.0000,

210.2325, 267.0416

0.0523

239.8202,
255.5947, 321.5968

■ 0.0000, 0.0000,
0.0000

■ 28.8092, 31.1119,
45.0442

■ 28.8092, 31.1119,
45.0442

■ 24.9383, 27.0972,
44.4738

■ 33.2415, 35.5666,
45.6710

■ 21.6010, 23.5028,
43.9559

■ 38.2557, 40.4727,
46.3536

■ 18.7713, 20.3129,
43.4894

■ 43.8746, 45.8454,
47.0945

■ 16.4195, 17.5090,
43.0721

■ 50.1189, 51.6984,
47.8952

■ 14.5127, 15.0706,
42.7019

■ 57.0084, 58.0445,
48.7570

■ 13.0132, 12.9747,
42.3764

■ 64.5619, 64.8962,
49.6814

■ 11.8758, 11.1943,
42.0927

■ 72.7974, 72.2653,
50.6697

■ 11.3556, 10.3305,
41.9534

■ 75.1977, 76.7947,
51.4174

■ 77.5304, 81.4601,
52.1950

Harmonies

Analogous

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



27.2038, 31.1119, 42.1381



28.8092, 31.1119, 45.0442



30.6871, 31.1119, 44.7349

Triad

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



28.8092, 31.1119, 45.0442



33.1528, 31.1119, 30.8153



26.9731, 31.1119, 27.3737

Complementary

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



28.8092, 31.1119, 45.0442



33.2356, 33.5625, 26.5571

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.



28.4821, 31.1119, 24.9333



28.8092, 31.1119, 45.0442



32.0716, 31.1119, 26.7705

Square

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



28.8092, 31.1119, 45.0442



33.2495, 31.1119, 36.1241



30.3460, 31.1119, 24.7249



26.1742, 31.1119, 31.7223

Rectangle

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



28.8092, 31.1119, 45.0442



31.8413, 31.1119, 42.7488



30.3460, 31.1119, 24.7249



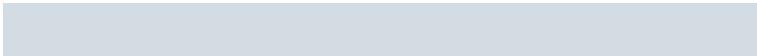
27.4111, 31.1119, 26.3239

Sweetspot

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



28.8102, 31.1132, 45.0449



66.1221, 70.1649, 82.6950



30.5782, 37.8588, 35.7398



14.5778, 15.4795, 18.3638



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.



28.8102, 31.1132, 45.0449



48.0559, 52.0795, 80.1564



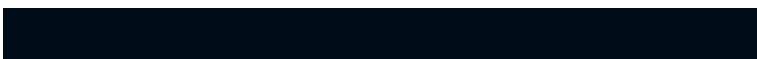
25.6031, 24.6991, 43.9759



7.9050, 8.4093, 10.1592



8.1938, 7.5215, 30.0644



0.2825, 0.3184, 0.8546

Inverse Universe

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



31.7640, 27.9504, 34.2941



54.2600, 45.7911, 57.4960



37.0355, 41.1621, 27.8237



8.1698, 8.0812, 9.2052



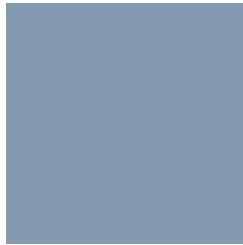
13.9995, 7.0623, 7.6428



0.4170, 0.2075, 0.3577

Previews

White Background



This preview shows how the XYZ color 28.8092, 31.1119, 45.0442 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 28.8092, 31.1119, 45.0442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

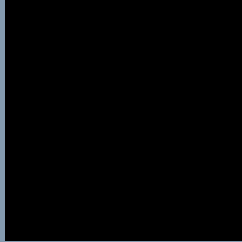
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

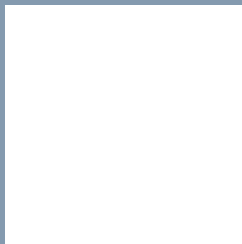
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8092, 31.1119, 45.0442

Background



This preview shows how black text looks on a background with the XYZ color 28.8092, 31.1119, 45.0442.



This preview shows how white text looks on a background with the XYZ color 28.8092, 31.1119,

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

28.8092, 31.1119, 45.0442

Protanopia

30.3854, 30.9943, 43.4107

Deuteranopia

31.5966, 30.8721, 45.3679



Tritanopia

27.9951, 31.0157, 41.5569

Trichromacy



Original Color

28.8092, 31.1119, 45.0442

Protanomaly

29.7648, 30.9011, 43.9309

Deuteranomaly

30.5969, 31.0583, 45.4565

Tritanomaly

28.4321, 31.2083, 43.0533

Monochromacy



Original Color

28.8092, 31.1119, 45.0442

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.6523, 30.4761, 37.1732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8092, 31.1119, 45.0442 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(132, 154, 175)` looks like.

```
.text, #text, p{  
    color:rgb(132, 154, 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(132, 154, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 154, 175) }
```

Border

The CSS property to change the border of an element to XYZ 28.8092, 31.1119, 45.0442 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(132, 154, 175) }
```


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

```
.border{ border-color:rgb(132, 154, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 154, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 154, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 154, 175);  
box-shadow:4px 4px 4px 4px rgb(132, 154,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8092, 31.1119, 45.0442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 154, 175) }
```

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

```
.background{ background-color: rgb(132,  
154, 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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