Converting Colors

XYZ(31.3295, 32.8764, 72.0957)

Have a look what the booklet for XYZ(31.3295, 32.8764, 72.0957) contains.

XYZ(31.3295, 32.8092, 72.3917) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 28
- ***CSS Examples*** 31

Color

XYZ(31.3295, 32.8092, 72.3917)

Conversions

Conversions Part 1

Format	Color
Hex	6C9EDC
RGB	108, 158, 220
RGB Percent	42%, 62%, 86%
CMY	0.5764, 0.3804, 0.1373
CMYK	0.51, 0.28, 0.00, 0.14
HSL	213°, 62%, 64%
HSV	213°, 51%, 86%
XYZ	31.3295, 32.8092, 72.3917
YIQ	150.1180, -49.7020, 8.6820

Conversions

Conversions Part 2

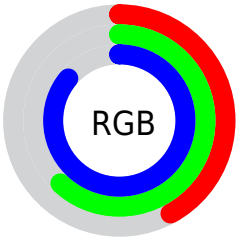
Format	Color
RYB	108, 143, 220
Decimal	7118556
CIELab	64.01, 0.53, -36.62
CIELCh	64, 36.620, 270.837
Yxy	32.8092, 0.2295, 0.2403
Android (android.graphics.Color)	4285308636 (0xFF6C9EDC)
YUV	150.1180, 34.4518, -36.9375
Hunter-Lab	57.2793, -2.6064, -34.8374

Details

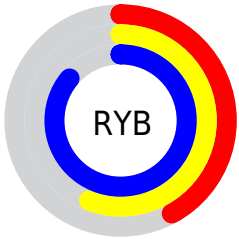
The XYZ color 31.3295, 32.8092, 72.3917 is a light color, and the websafe version is hex 6699CC. A complement of this color would be 46.5980, 45.0495, 20.4283, and the grayscale version is 28.9141, 30.4199, 33.1272.

A 20% lighter version of the original color is 57.1105, 62.3063, 103.6240, and 13.2682, 13.8604, 37.5733 is the 20% darker color. If you saturate the color by 10%, you get 27.0083, 27.6495, 71.6242, and if you desaturate by 10%, it is 36.5339, 38.7311, 73.2611.

Distribution

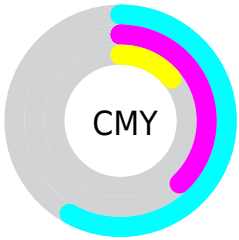


- Red (42%)
- Green (62%)
- Blue (86%)



- Red (42%)
- Yellow (56%)
- Blue (86%)

- Cyan (51%)
- Magenta (28%)
- Yellow (0%)
- Black (14%)



- Cyan (58%)
- Magenta (38%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3295, 32.8092, 72.3917 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 31.3295, 32.8092, 72.3917 by changing the saturation by 10% instead.

31.3295, 32.8092, 72.3917

31.3295, 32.8092, 72.3917

299.8533, 314.7891, 487.9180

21.0029, 21.9803, 52.9899

61.1308, 64.0775, 124.3262

13.2386, 13.8424, 37.4071

81.3362, 85.2858, 157.6959

7.6712, 8.0112, 25.2246

105.5653, 110.7226, 196.5588

3.9353, 4.1021, 16.0239

134.1834, 140.7724, 241.3332

1.6656, 1.7308, 9.3865

167.5560, 175.8195, 292.4378

0.4346, 0.4435, 4.8939

206.0482,

0.0000, 0.0000,

216.2484, 350.2911

250.0255, 262.4435, 415.3116

2.1275

0.0000, 0.0000, 0.6321

0.0000, 0.0000, 0.0000

31.3295, 32.8092, 72.3917

31.3295, 32.8092, 72.3917

27.0083, 27.6495, 71.6242

36.5339, 38.7311, 73.2611

23.5092, 23.2097, 70.9516

42.6701, 45.4469, 74.2339

20.7676, 19.4480, 70.3700

49.7871, 52.9906, 75.3149

18.7063, 16.3148, 69.8739

57.9293, 61.3928, 76.5076

17.3060, 13.9426, 69.4898

67.1381, 70.6827, 77.8153

77.4526, 80.8876, 79.2415

86.2851, 90.6807, 80.6662

89.9184, 97.9474, 81.8773

Harmonies

Analogous

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

26.5893, 32.8092, 66.7731

31.3295, 32.8092, 72.3917

36.5587, 32.8092, 66.1444

Triad

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

31.3295, 32.8092, 72.3917

40.5155, 32.8092, 23.0342

23.2887, 32.8092, 23.5756

Complementary

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

31.3295, 32.8092, 72.3917

46.5980, 45.0495, 20.4283

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.

26.3640, 32.8092, 16.4399

31.3295, 32.8092, 72.3917

36.2800, 32.8092, 16.1934

Square

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

31.3295, 32.8092, 72.3917

42.2095, 32.8092, 35.3097

31.0393, 32.8092, 14.1587

22.2682, 32.8092, 36.1409

Rectangle

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

31.3295, 32.8092, 72.3917

39.5384, 32.8092, 56.8723

31.0393, 32.8092, 14.1587

24.0983, 32.8092, 20.5999

Sweetspot

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

31.3307, 32.8104, 72.3925

75.9642, 80.6798, 106.1768

38.9966, 57.2626, 46.8310

15.7438, 16.7363, 22.6506

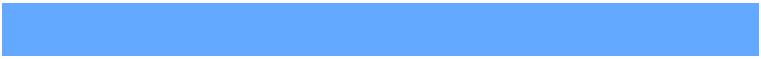
0.0000, 0.0000, 0.0000

20.3446, 21.4041, 23.3091

Same Dimension

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

31.3307, 32.8104, 72.3925



37.4125, 38.2333, 100.0157

25.1697, 19.4446, 70.1374

12.8148, 13.5694, 16.5959

10.2642, 8.3978, 40.8184

0.7501, 0.7143, 2.6728

Inverse Universe

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

41.0504, 28.4108, 35.6691

52.8958, 33.1297, 41.0891

56.1493, 66.6263, 24.0896

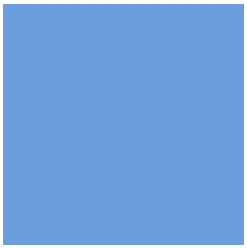
13.2964, 13.1477, 14.8221

18.6762, 9.4715, 7.9410

1.2529, 0.6308, 0.7407

Previews

White Background

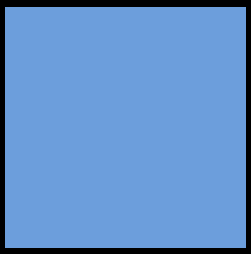


This preview shows how the XYZ color 31.3295, 32.8092, 72.3917 looks on a white background.

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 31.3295, 32.8092, 72.3917 looks on a black background.

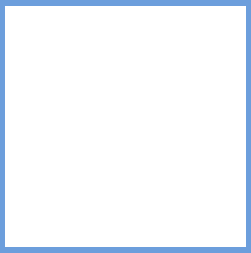
Color Contrast Check

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 31.3295, 32.8092, 72.3917 Background

This preview shows how black text looks on a background with the XYZ color 31.3295, 32.8092, 72.3917.



This preview shows how white text looks on a background with the XYZ color 31.3295, 32.8092,

72.3917.

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

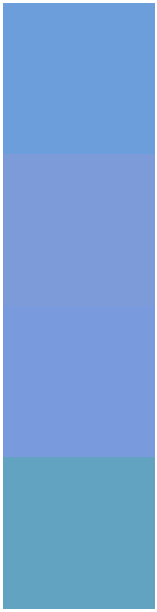
Original Color
31.3295, 32.8092, 72.3917

Protanopia
33.4857, 32.5137, 68.8009

Deuteranopia
33.4956, 32.6701, 72.9472

Tritanopia
26.3890, 32.9068, 47.6086

Trichromacy



Original Color
31.3295, 32.8092, 72.3917

Protanomaly
32.5374, 32.4809, 70.2002

Deuteranomaly
32.6576, 32.7281, 73.0025

Tritanomaly
27.9804, 32.7421, 55.8841

Monochromacy

Original Color
31.3295, 32.8092, 72.3917

Achromatopsia
28.9890, 30.4987, 33.2131

Achromatomaly
29.1208, 31.0285, 45.0117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3295, 32.8092, 72.3917 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(108, 158, 220) looks like.

```
.text, #text, p{
    color:rgb(108, 158, 220)
}
```

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(108, 158, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 158, 220) }
```

Border

The CSS property to change the border of an element to XYZ 31.3295, 32.8092, 72.3917 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(108, 158, 220) }
```

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

```
.border{ border-color:rgb(108, 158, 220) }
```

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

Here you see how a box with a 4 pixel rgb(108, 158, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 158, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 158, 220); box-shadow:4px 4px 4px 4px rgb(108, 158, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3295, 32.8092, 72.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(108, 158, 220) }
```

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

```
.background{ background-color:rgb(108,
158, 220) }
```

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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