

Converting Colors

XYZ(31.9460, 36.4846, 76.1643)

Have a look what the booklet for
XYZ(31.9460, 36.4846, 76.1643)
contains.

XYZ(31.9479, 36.5339, 75.8889)	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(31.9479, 36.5339,
75.8889)**

Conversions

Conversions Part 1

Format	Color
Hex	57ABE0
RGB	87, 171, 224
RGB Percent	34%, 67%, 88%
CMY	0.6588, 0.3294, 0.1216
CMYK	0.61, 0.24, 0.00, 0.12
HSL	203°, 69%, 61%
HSV	203°, 61%, 88%
XYZ	31.9479, 36.5339, 75.8889
YIQ	151.9260, -67.0770, -1.3250

Conversions

Conversions Part 2

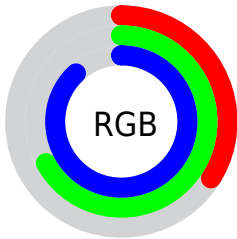
Format	Color
R _{YB}	87, 139, 224
Decimal	5745632
CIE Lab	66.93, -9.79, -34.35
CIE LCh	67, 35.718, 254.088
Yxy	36.5339, 0.2213, 0.2531
Android (android.graphics.Color)	4283935712 (0xFF57ABE0)
YUV	151.9260, 35.5325, -56.9401
Hunter-Lab	60.4433, -11.4278, -32.1306

Details

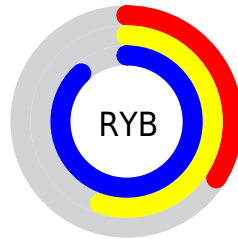
The XYZ color **31.9479, 36.5339, 75.8889** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **41.8402, 35.2933, 13.6253**, and the grayscale version is **29.6868, 31.2328, 34.0125**.

A 20% lighter version of the original color is **57.2790, 67.8158, 104.6786**, and **13.7583, 16.0582, 39.9105** is the 20% darker color. If you saturate the color by 10%, you get **28.5884, 32.4518, 75.2787**, and if you desaturate by 10%, it is **36.0659, 41.1677, 76.5670**.

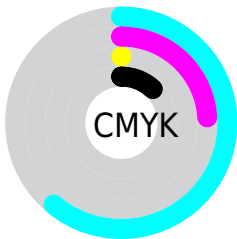
Distribution



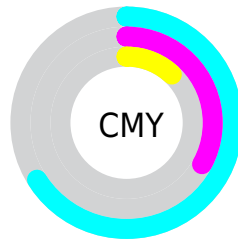
- Red (34%)
- Green (67%)
- Blue (88%)



- Red (34%)
- Yellow (55%)
- Blue (88%)



- Cyan (61%)
- Magenta (24%)
- Yellow (0%)
- Black (12%)



- Cyan (66%)
- Magenta (33%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9479, 36.5339, 75.8889 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 31.9479, 36.5339, 75.8889 by changing the saturation by 10% instead.

■ 31.9479, 36.5339,
75.8889

■ 31.9479, 36.5339,
75.8889

302.6314,
331.2881, 500.3040

■ 21.4771, 24.8468,
55.8353

■ 62.0951, 69.8553,
129.3285

■ 13.5876, 15.9630,
39.6678

■ 82.5023, 92.2585,
163.5516

■ 7.9142, 9.4980,
26.9678

■ 106.9522,
119.0024, 203.3349

■ 4.0914, 5.0674,
17.3168

■ 135.8103,
150.4716, 249.0970

■ 1.7540, 2.2868,
10.2963

169.4419,
187.0503, 301.2564

■ 0.4897, 0.7667,
5.4877

208.2124,

■ 0.0000, 0.0000,

229.1231, 360.2317

2.4724

252.4871,
277.0742, 426.4414

■ 0.0000, 0.0000,
0.8255

■ 0.0000, 0.0000,
0.0000

■ 31.9479, 36.5339,
75.8889

■ 31.9479, 36.5339,
75.8889

■ 28.5884, 32.4518,
75.2787

■ 36.0659, 41.1677,
76.5670

■ 25.9193, 28.8812,
74.7302

■ 40.9949, 46.3812,
77.3135

■ 23.8654, 25.7809,
74.2401

■ 46.7868, 52.2047,
78.1323

■ 22.4491, 23.3708,
73.8495

■ 53.4877, 58.6648,
79.0260

61.1404, 65.7862,
79.9973

69.7846, 73.5921,
81.0483

79.4580, 82.1044,
82.1815

85.9518, 89.1561,
83.2004

88.5688, 94.3902,
84.0727

Harmonies

Analogous

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



27.7712, 36.5339, 64.3358



31.9479, 36.5339, 75.8889



37.3203, 36.5339, 76.2674

Triad

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



31.9479, 36.5339, 75.8889



45.8312, 36.5339, 32.9549



27.9736, 36.5339, 21.9782

Complementary

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



31.9479, 36.5339, 75.8889



41.8402, 35.2933, 13.6253

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.



32.2517, 36.5339, 17.3038



31.9479, 36.5339, 75.8889



42.7509, 36.5339, 22.4332

Square

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



31.9479, 36.5339, 75.8889



45.7280, 36.5339, 48.5253



37.6572, 36.5339, 17.4453



25.6448, 36.5339, 32.1527

Rectangle

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



31.9479, 36.5339, 75.8889



40.8915, 36.5339, 69.9298



37.6572, 36.5339, 17.4453



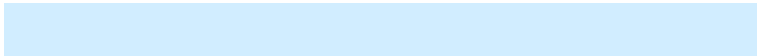
29.2108, 36.5339, 19.8450

Sweetspot

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



31.9492, 36.5352, 75.8898



74.7274, 81.4990, 106.4001



35.2854, 57.2177, 33.8106



15.3787, 16.8642, 22.6945



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.



31.9492, 36.5352, 75.8898



37.4240, 42.3405, 100.8078



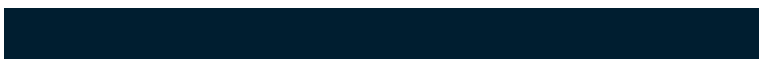
22.2350, 17.1068, 72.6517



13.6481, 14.6353, 17.4933



13.1815, 13.8326, 43.0236



0.9997, 1.1309, 3.0108

Inverse Universe

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



41.5004, 25.6053, 41.2843



51.9046, 28.9161, 47.6372



55.0217, 61.6563, 18.0192



14.0586, 13.8411, 16.0788



20.5936, 10.3045, 15.0577



1.4709, 0.7316, 1.2724

Previews

White Background



This preview shows how the XYZ color 31.9479, 36.5339, 75.8889 looks on a white background.

Color Contrast Check

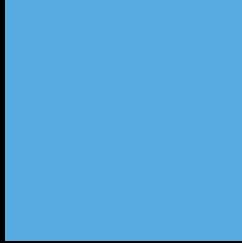
Large Text (above 18pt) WCAG AA × Fail

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 31.9479, 36.5339, 75.8889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

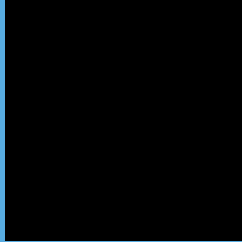
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9479, 36.5339, 75.8889

Background



This preview shows how black text looks on a background with the XYZ color 31.9479, 36.5339, 75.8889.

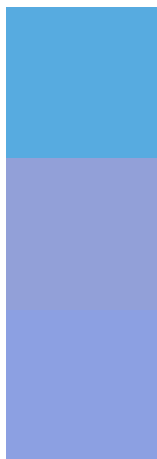


This preview shows how white text looks on a background with the XYZ color 31.9479, 36.5339,

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

31.9479, 36.5339, 75.8889

Protanopia

36.8195, 36.2105, 70.0145

Deuteranopia

37.1135, 36.2080, 76.9843



Tritanopia

27.7986, 36.5836, 54.8864

Trichromacy



Original Color

31.9479, 36.5339, 75.8889

Protanomaly

34.5191, 36.0254, 72.1521

Deuteranomaly

34.7512, 36.0521, 76.3613

Tritanomaly

29.1700, 36.5495, 62.0173

Monochromacy



Original Color

31.9479, 36.5339, 75.8889

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.3361, 32.5998, 46.8657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9479, 36.5339, 75.8889 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(87, 171, 224)` looks like.

```
.text, #text, p{  
    color:rgb(87, 171, 224)  
}
```

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(87, 171, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 171, 224) }
```

Border

The CSS property to change the border of an element to XYZ 31.9479, 36.5339, 75.8889 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(87, 171, 224) }
```


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

```
.border{ border-color:rgb(87, 171, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 171, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 171, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 171, 224);  
box-shadow:4px 4px 4px 4px rgb(87, 171,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9479, 36.5339, 75.8889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 171, 224) }
```

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

```
.background{ background-color: rgb(87, 171,  
224) }
```

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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