

Converting Colors

XYZ(31.0983, 32.5760, 78.7780)

Have a look what the booklet for
XYZ(31.0983, 32.5760, 78.7780)
contains.

XYZ(31.0890, 32.5438, 78.7717)	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(31.0890, 32.5438,
78.7717)**

Conversions

Conversions Part 1

Format	Color
Hex	5F9EE5
RGB	95, 158, 229
RGB Percent	37%, 62%, 90%
CMY	0.6274, 0.3804, 0.1020
CMYK	0.59, 0.31, 0.00, 0.10
HSL	212°, 72%, 64%
HSV	212°, 59%, 90%
XYZ	31.0890, 32.5438, 78.7717
YIQ	147.2570, -60.3390, 8.7250

Conversions

Conversions Part 2

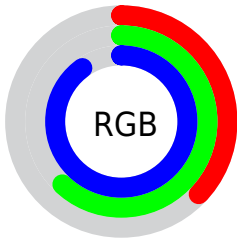
Format	Color
R _Y B	95, 138, 229
Decimal	6266597
CIE Lab	63.79, 0.58, -41.97
CIE LCh	64, 41.978, 270.793
Yxy	32.5438, 0.2183, 0.2285
Android (android.graphics.Color)	4284456677 (0xFF5F9EE5)
YUV	147.2570, 40.2993, -45.8294
Hunter-Lab	57.0472, -2.5554, -41.9356

Details

The XYZ color **31.0890, 32.5438, 78.7717** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **48.0163, 44.7586, 16.9365**, and the grayscale version is **27.6970, 29.1394, 31.7328**.

A 20% lighter version of the original color is **54.9199, 61.1770, 103.5215**, and **13.0890, 13.6812, 41.4860** is the 20% darker color. If you saturate the color by 10%, you get **27.0820, 27.5562, 78.0208**, and if you desaturate by 10%, it is **36.0017, 38.3027, 79.6250**.

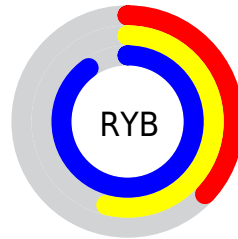
Distribution



Red (37%)

Green (62%)

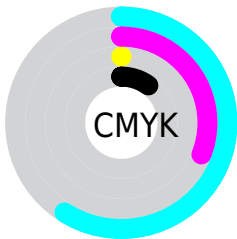
Blue (90%)



Red (37%)

Yellow (54%)

Blue (90%)

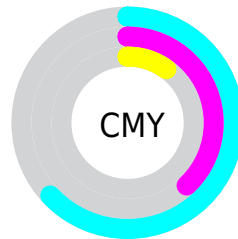


Cyan (59%)

Magenta (31%)

Yellow (0%)

Black (10%)



Cyan (63%)

Magenta (38%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0890, 32.5438, 78.7717 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 31.0890, 32.5438, 78.7717 by changing the saturation by 10% instead.

■ 31.0890, 32.5438,
78.7717

■ 31.0890, 32.5438,
78.7717

298.7677,
313.5890, 510.3809

■ 20.8188, 21.7772,
58.1879

■ 60.7551, 63.6626,
133.4332

■ 13.1033, 13.6933,
41.5440

■ 80.8816, 84.7836,
168.3479

■ 7.5772, 7.9076,
28.4215

■ 105.0243,
110.1249, 208.8767

■ 3.8751, 4.0359,
18.4019

■ 133.5485,
140.0709, 255.4382

■ 1.6317, 1.6937,
11.0665

166.8196,
175.0058, 308.4508

■ 0.4130, 0.4196,
5.9968

205.2030,

■ 0.0000, 0.0000,

215.3143, 368.3331

2.7744

249.0639,
261.3805, 435.5036

■ 0.0000, 0.0000,
0.9806

■ 0.0000, 0.0000,
0.0000

■ 31.0890, 32.5438,
78.7717

■ 31.0890, 32.5438,
78.7717

■ 27.0820, 27.5562,
78.0208

■ 36.0017, 38.3027,
79.6250

■ 23.9080, 23.2922,
77.3651

■ 41.8779, 44.8696,
80.5828

■ 21.4874, 19.7021,
76.7997

■ 48.7741, 52.2821,
81.6501

■ 19.7042, 16.7163,
76.3174

■ 56.7414, 60.5744,
82.8308

■ 19.4700, 16.3112,
76.2515

■ 65.8270, 69.7784,
84.1285

■ 76.0754, 79.9241,
85.5466

■ 87.4154, 90.9821,
87.0833

■ 91.1430, 98.4372,
88.3259

Harmonies

Analogous

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



25.7278, 32.5438, 71.9591



31.0890, 32.5438, 78.7717



37.1002, 32.5438, 71.2412

Triad

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



31.0890, 32.5438, 78.7717



41.7172, 32.5438, 21.2875



22.0615, 32.5438, 21.8462

Complementary

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



31.0890, 32.5438, 78.7717



48.0163, 44.7586, 16.9365

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.



25.4883, 32.5438, 14.2359



31.0890, 32.5438, 78.7717



36.7944, 32.5438, 13.9927

Square

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



31.0890, 32.5438, 78.7717



43.6955, 32.5438, 34.9874



30.7753, 32.5438, 11.8898



20.9327, 32.5438, 35.8857

Rectangle

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



31.0890, 32.5438, 78.7717



40.5645, 32.5438, 60.1483



30.7753, 32.5438, 11.8898



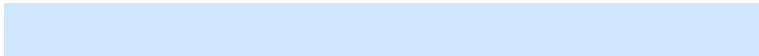
22.9594, 32.5438, 18.6310

Sweetspot

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



31.0902, 32.5449, 78.7725



72.8591, 77.7624, 105.7773



39.4618, 61.1612, 44.9596



14.9231, 15.9529, 22.5426



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.



31.0902, 32.5449, 78.7725



33.7141, 34.0645, 99.4059



23.1911, 16.3973, 76.0720



14.1387, 14.9989, 18.2942



11.2503, 9.5627, 43.6360



0.9237, 0.8913, 3.2553

Inverse Universe

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



42.5779, 27.3124, 35.3765



50.2410, 29.0508, 36.4100



61.6907, 73.1585, 21.6975



14.6576, 14.4802, 16.3974



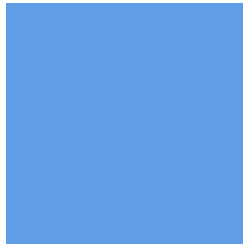
20.0721, 10.1631, 9.2748



1.5299, 0.7697, 0.9308

Previews

White Background



This preview shows how the XYZ color 31.0890, 32.5438, 78.7717 looks on a white background.

Color Contrast Check

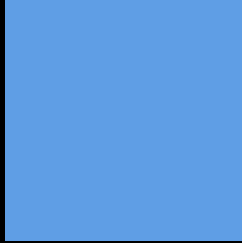
Large Text (above 18pt) WCAG AA × Fail

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 31.0890, 32.5438, 78.7717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

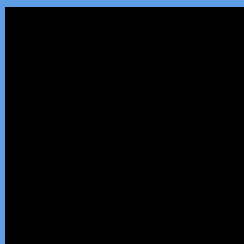
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

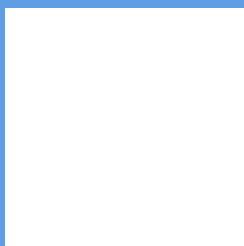
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0890, 32.5438, 78.7717

Background



This preview shows how black text looks on a background with the XYZ color 31.0890, 32.5438, 78.7717.

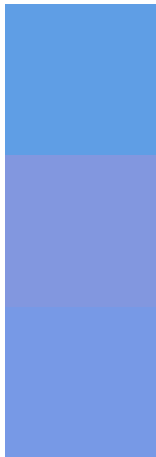


This preview shows how white text looks on a background with the XYZ color 31.0890, 32.5438,

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

31.0890, 32.5438, 78.7717

Protanopia

33.5918, 32.2068, 74.2581

Deuteranopia

33.2819, 32.4176, 79.3660



Tritanopia

25.0609, 32.4695, 48.6625

Trichromacy



Original Color

31.0890, 32.5438, 78.7717

Protanomaly

32.4823, 32.3294, 75.7623

Deuteranomaly

32.4347, 32.4709, 79.4209

Tritanomaly

26.9482, 32.4220, 58.2638

Monochromacy



Original Color

31.0890, 32.5438, 78.7717

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.9045, 29.8967, 45.8949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0890, 32.5438, 78.7717 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(95, 158, 229)` looks like.

```
.text, #text, p{  
    color:rgb(95, 158, 229)  
}
```

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(95, 158, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 158, 229) }
```

Border

The CSS property to change the border of an element to XYZ 31.0890, 32.5438, 78.7717 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(95, 158, 229) }
```


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

```
.border{ border-color:rgb(95, 158, 229) }
```

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

Here you see how a box with a 4 pixel rgb(95, 158, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 158, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 158, 229);  
box-shadow:4px 4px 4px 4px rgb(95, 158,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0890, 32.5438, 78.7717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 158, 229) }
```

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

```
.background{ background-color: rgb(95, 158,  
229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor