

Converting Colors

XYZ(30.0109, 31.4557, 77.7740)

Have a look what the booklet for
XYZ(30.0109, 31.4557, 77.7740)
contains.

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Color

**XYZ(30.1085, 31.5520,
77.9021)**

Conversions

Conversions Part 1

Format	Color
Hex	5A9CE4
RGB	90, 156, 228
RGB Percent	35%, 61%, 89%
CMY	0.6470, 0.3882, 0.1059
CMYK	0.61, 0.32, 0.00, 0.11
HSL	211°, 72%, 62%
HSV	211°, 61%, 89%
XYZ	30.1085, 31.5520, 77.9021
YIQ	144.4740, -62.4480, 8.4000

Conversions

Conversions Part 2

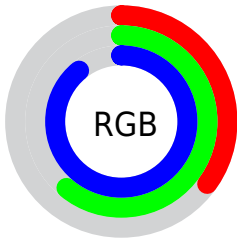
Format	Color
R _Y B	90, 135, 228
Decimal	5938404
CIE Lab	62.97, 0.45, -42.72
CIE LCh	63, 42.725, 270.604
Yxy	31.5520, 0.2157, 0.2261
Android (android.graphics.Color)	4284128484 (0xFF5A9CE4)
YUV	144.4740, 41.1783, -47.7737
Hunter-Lab	56.1712, -2.6211, -42.9077

Details

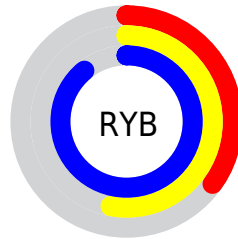
The XYZ color **30.1085, 31.5520, 77.9021** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **46.7624, 43.0753, 15.5242**, and the grayscale version is **26.5586, 27.9417, 30.4285**.

A 20% lighter version of the original color is **53.6743, 59.7972, 103.3208**, and **12.5230, 13.0946, 40.8972** is the 20% darker color. If you saturate the color by 10%, you get **26.3220, 26.7807, 77.1814**, and if you desaturate by 10%, it is **34.7728, 37.0671, 78.7214**.

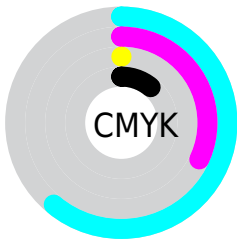
Distribution



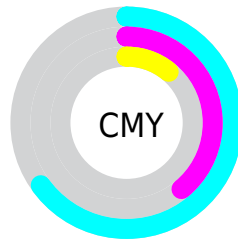
- Red (35%)
- Green (61%)
- Blue (89%)



- Red (35%)
- Yellow (53%)
- Blue (89%)



- Cyan (61%)
- Magenta (32%)
- Yellow (0%)
- Black (11%)



- Cyan (65%)
- Magenta (39%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1085, 31.5520, 77.9021 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 30.1085, 31.5520, 77.9021 by changing the saturation by 10% instead.

■ 30.1085, 31.5520,
77.9021

■ 30.1085, 31.5520,
77.9021

294.3106,
309.0734, 507.3534

■ 20.0694, 21.0195,
57.4776

■ 59.2192, 62.1081,
132.1967

■ 12.5541, 13.1383,
40.9769

■ 79.0215, 82.9005,
166.9039

■ 7.1971, 7.5238,
27.9815

■ 102.8089,
107.8818, 207.2091

■ 3.6331, 3.7918,
18.0728

■ 130.9469,
137.4361, 253.5307

■ 1.4967, 1.5578,
10.8323

163.8007,
171.9481, 306.2875

■ 0.3236, 0.3289,
5.8414

201.7356,

■ 0.0000, 0.0000,

211.8020, 365.8978

2.6817

245.1172,
257.3823, 432.7803

■ 0.0000, 0.0000,
0.9342

■ 0.0000, 0.0000,
0.0000

■ 30.1085, 31.5520,
77.9021

■ 30.1085, 31.5520,
77.9021

■ 26.3220, 26.7807,
77.1814

■ 34.7728, 37.0671,
78.7214

■ 23.3397, 22.7055,
76.5519

■ 40.3731, 43.3624,
79.6414

■ 21.0803, 19.2761,
76.0091

■ 46.9663, 50.4753,
80.6668

■ 19.4766, 16.5473,
75.5669

■ 54.6032, 58.4397,
81.8016

■ 63.3311, 67.2868,
83.0492

■ 73.1944, 77.0466,
84.4132

■ 84.2346, 87.7470,
85.8967

■ 89.7942, 95.9625,
87.1894

■ 91.0037, 98.3815,
87.5926

Harmonies

Analogous

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



24.7809, 31.5520, 70.9370



30.1085, 31.5520, 77.9021



36.1135, 31.5520, 70.3853

Triad

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



30.1085, 31.5520, 77.9021



40.7965, 31.5520, 20.3801



21.1874, 31.5520, 20.8001

Complementary

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



30.1085, 31.5520, 77.9021



46.7624, 43.0753, 15.5242

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.



24.5997, 31.5520, 13.3601



30.1085, 31.5520, 77.9021



35.8805, 31.5520, 13.1792

Square

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



30.1085, 31.5520, 77.9021



42.7576, 31.5520, 34.0148



29.8703, 31.5520, 11.1017



20.0554, 31.5520, 34.6970

Rectangle

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



30.1085, 31.5520, 77.9021



39.5896, 31.5520, 59.2397



29.8703, 31.5520, 11.1017



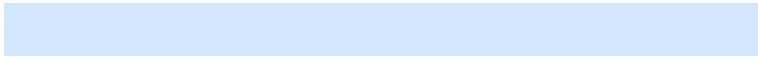
22.0817, 31.5520, 17.6455

Sweetspot

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



30.1097, 31.5531, 77.9029



72.9631, 77.9705, 105.8120



38.4207, 60.2453, 43.4625



14.9484, 16.0035, 22.5511



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.



30.1097, 31.5531, 77.9029



32.6992, 32.8909, 99.2329



22.1049, 15.2062, 75.1695



14.1486, 15.0187, 18.2975



11.3636, 9.7893, 43.6738



0.9323, 0.9085, 3.2582

Inverse Universe

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



41.6529, 26.2081, 34.3166



49.5197, 27.9621, 35.0787



60.8598, 72.3461, 20.4310



14.6626, 14.4822, 16.4237



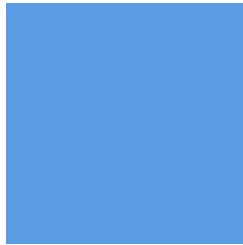
20.1293, 10.1860, 9.5760



1.5342, 0.7714, 0.9536

Previews

White Background



This preview shows how the XYZ color 30.1085, 31.5520, 77.9021 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 30.1085, 31.5520, 77.9021 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

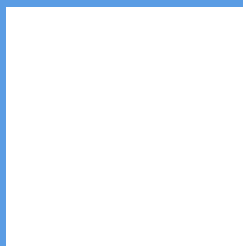
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1085, 31.5520, 77.9021

Background



This preview shows how black text looks on a background with the XYZ color 30.1085, 31.5520, 77.9021.

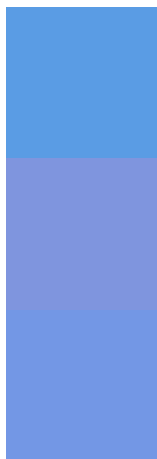


This preview shows how white text looks on a background with the XYZ color 30.1085, 31.5520,

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

30.1085, 31.5520, 77.9021

Protanopia

32.6847, 31.2808, 73.4224

Deuteranopia

32.2797, 31.4352, 78.4950



Tritanopia

24.1568, 31.7561, 47.5042

Trichromacy



Original Color

30.1085, 31.5520, 77.9021

Protanomaly

31.6222, 31.4157, 74.9182

Deuteranomaly

31.4779, 31.5038, 78.5505

Tritanomaly

25.9789, 31.4084, 57.5165

Monochromacy



Original Color

30.1085, 31.5520, 77.9021

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.6399, 28.5600, 44.6660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1085, 31.5520, 77.9021 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(90, 156, 228)` looks like.

```
.text, #text, p{  
    color:rgb(90, 156, 228)  
}
```

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(90, 156, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 156, 228) }
```

Border

The CSS property to change the border of an element to XYZ 30.1085, 31.5520, 77.9021 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(90, 156, 228) }
```


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

```
.border{ border-color:rgb(90, 156, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 156, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 156, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 156, 228);  
box-shadow:4px 4px 4px 4px rgb(90, 156,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1085, 31.5520, 77.9021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 156, 228) }
```

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

```
.background{ background-color: rgb(90, 156,  
228) }
```

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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