

Converting Colors

XYZ(30.4396, 32.1050, 77.8224)

Have a look what the booklet for
XYZ(30.4396, 32.1050, 77.8224)
contains.

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Color

**XYZ(30.5448, 32.2793,
78.0194)**

Conversions

Conversions Part 1

Format	Color
Hex	5B9EE4
RGB	91, 158, 228
RGB Percent	36%, 62%, 89%
CMY	0.6431, 0.3804, 0.1059
CMYK	0.60, 0.31, 0.00, 0.11
HSL	211°, 72%, 63%
HSV	211°, 60%, 89%
XYZ	30.5448, 32.2793, 78.0194
YIQ	145.9470, -62.4020, 7.5660

Conversions

Conversions Part 2

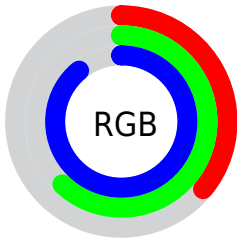
Format	Color
R _Y B	91, 136, 228
Decimal	6004452
CIE Lab	63.57, -0.51, -41.77
CIE LCh	64, 41.777, 269.305
Yxy	32.2793, 0.2169, 0.2292
Android (android.graphics.Color)	4284194532 (0xFF5B9EE4)
YUV	145.9470, 40.4521, -48.1885
Hunter-Lab	56.8149, -3.4609, -41.6479

Details

The XYZ color **30.5448, 32.2793, 78.0194** 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 **46.6296, 42.7412, 15.6913**, and the grayscale version is **27.1590, 28.5734, 31.1164**.

A 20% lighter version of the original color is **54.3560, 60.8863, 103.4951**, and **12.7792, 13.5327, 40.9683** is the 20% darker color. If you saturate the color by 10%, you get **26.7353, 27.5044, 77.2992**, and if you desaturate by 10%, it is **35.2276, 37.7851, 78.8360**.

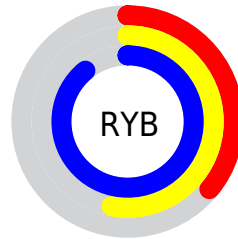
Distribution



Red (36%)

Green (62%)

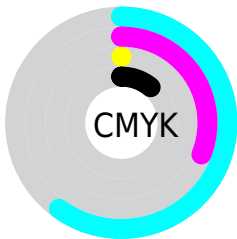
Blue (89%)



Red (36%)

Yellow (53%)

Blue (89%)

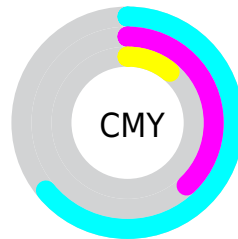


Cyan (60%)

Magenta (31%)

Yellow (0%)

Black (11%)



Cyan (64%)

Magenta (38%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5448, 32.2793, 78.0194 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 30.5448, 32.2793, 78.0194 by changing the saturation by 10% instead.

■ 30.5448, 32.2793,
78.0194

■ 30.5448, 32.2793,
78.0194

296.3002,
312.3896, 507.7624

■ 20.4026, 21.5749,
57.5734

■ 59.9034, 63.2487,
132.3636

■ 12.7980, 13.5449,
41.0533

■ 79.8505, 84.2825,
167.0988

■ 7.3656, 7.8048,
28.0407

■ 103.7967,
109.5282, 207.4342

■ 3.7401, 3.9703,
18.1171

■ 132.1072,
139.3703, 253.7883

■ 1.5562, 1.6570,
10.8638

165.1475,
174.1930, 306.5796

■ 0.3636, 0.3956,
5.8623

203.2828,

■ 0.0000, 0.0000,

214.3809, 366.2267

2.6941

246.8786,
260.3183, 433.1481

■ 0.0000, 0.0000,
0.9404

■ 0.0000, 0.0000,
0.0000

■ 30.5448, 32.2793,
78.0194

■ 30.5448, 32.2793,
78.0194

■ 26.7353, 27.5044,
77.2992

■ 35.2276, 37.7851,
78.8360

■ 23.7264, 23.4136,
76.6682

■ 40.8413, 44.0574,
79.7508

■ 21.4376, 19.9579,
76.1218

■ 47.4420, 51.1328,
80.7686

■ 19.7430, 17.0800,
75.6556

■ 55.0803, 59.0443,
81.8930

■ 63.8030, 67.8226,
83.1277

■ 73.6539, 77.4968,
84.4758

■ 84.6744, 88.0945,
85.9405

■ 89.8040, 95.9820,
87.1926

■ 91.0037, 98.3815,
87.5925

Harmonies

Analogous

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



25.3062, 32.2793, 70.6162



30.5448, 32.2793, 78.0194



36.5015, 32.2793, 71.2378

Triad

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



30.5448, 32.2793, 78.0194



41.5319, 32.2793, 21.6572



22.0147, 32.2793, 21.1727

Complementary

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



30.5448, 32.2793, 78.0194



46.6296, 42.7412, 15.6913

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.



25.5138, 32.2793, 13.9249



30.5448, 32.2793, 78.0194



36.7665, 32.2793, 14.1359

Square

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



30.5448, 32.2793, 78.0194



43.3114, 32.2793, 35.5373



30.8166, 32.2793, 11.8250



20.7803, 32.2793, 34.7589

Rectangle

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



30.5448, 32.2793, 78.0194



39.9898, 32.2793, 60.5132



30.8166, 32.2793, 11.8250



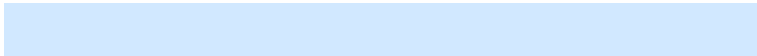
22.9412, 32.2793, 18.0933

Sweetspot

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



30.5460, 32.2804, 78.0202



73.1020, 78.2483, 105.8583



38.3605, 60.2325, 42.6348



14.9822, 16.0711, 22.5623



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.



30.5460, 32.2804, 78.0202



33.4556, 34.1301, 99.4322



22.0604, 15.3093, 75.1917



14.1618, 15.0450, 18.3019



11.5182, 10.0985, 43.7253



0.9439, 0.9318, 3.2621

Inverse Universe

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



41.9086, 26.4461, 35.2445



49.9683, 28.3974, 36.6526



61.6274, 72.7368, 20.6906



14.6693, 14.4849, 16.4588



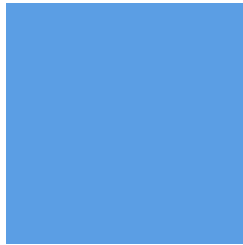
20.2074, 10.2172, 9.9869



1.5401, 0.7737, 0.9845

Previews

White Background



This preview shows how the XYZ color 30.5448, 32.2793, 78.0194 looks on a white background.

Color Contrast Check

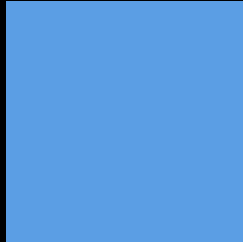
Large Text (above 18pt) WCAG AA × Fail

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 30.5448, 32.2793, 78.0194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

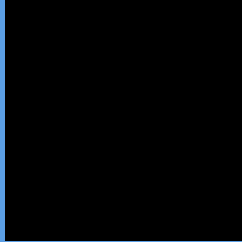
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

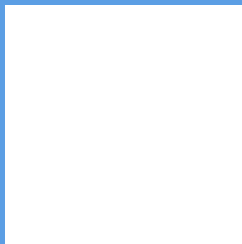
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.5448, 32.2793, 78.0194

Background



This preview shows how black text looks on a background with the XYZ color 30.5448, 32.2793, 78.0194.

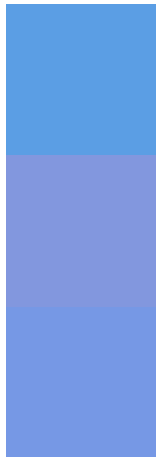


This preview shows how white text looks on a background with the XYZ color 30.5448, 32.2793,

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

30.5448, 32.2793, 78.0194

Protanopia

33.4573, 32.1530, 73.5500

Deuteranopia

32.8423, 31.9652, 78.5677



Tritanopia

24.6850, 32.2757, 48.6449

Trichromacy



Original Color

30.5448, 32.2793, 78.0194

Protanomaly

32.2126, 32.2060, 75.0396

Deuteranomaly

31.8828, 31.9565, 78.6166

Tritanomaly

26.6104, 32.2478, 58.2480

Monochromacy



Original Color

30.5448, 32.2793, 78.0194

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.3470, 29.3829, 45.3044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5448, 32.2793, 78.0194 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(91, 158, 228)` looks like.

```
.text, #text, p{  
    color:rgb(91, 158, 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(91, 158, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 158, 228) }
```

Border

The CSS property to change the border of an element to XYZ 30.5448, 32.2793, 78.0194 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(91, 158, 228) }
```


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

```
.border{ border-color:rgb(91, 158, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 158, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 158, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 158, 228);  
box-shadow:4px 4px 4px 4px rgb(91, 158,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5448, 32.2793, 78.0194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 158, 228) }
```

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

```
.background{ background-color: rgb(91, 158,  
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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