

Converting Colors

XYZ(30.4629, 32.5960, 81.3814)

Have a look what the booklet for
XYZ(30.4629, 32.5960, 81.3814)
contains.

XYZ(30.4446, 32.6733, 81.0459)	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(30.4446, 32.6733,
81.0459)**

Conversions

Conversions Part 1

Format	Color
Hex	50A0E8
RGB	80, 160, 232
RGB Percent	31%, 63%, 91%
CMY	0.6862, 0.3725, 0.0902
CMYK	0.66, 0.31, 0.00, 0.09
HSL	208°, 77%, 61%
HSV	208°, 66%, 91%
XYZ	30.4446, 32.6733, 81.0459
YIQ	144.2880, -70.7920, 5.4320

Conversions

Conversions Part 2

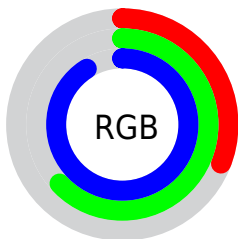
Format	Color
R _Y B	80, 132, 232
Decimal	5284072
CIE Lab	63.90, -2.27, -43.50
CIE LCh	64, 43.562, 267.011
Yxy	32.6733, 0.2112, 0.2266
Android (android.graphics.Color)	4283474152 (0xFF50A0E8)
YUV	144.2880, 43.2420, -56.3806
Hunter-Lab	57.1606, -4.9591, -44.0528

Details

The XYZ color **30.4446, 32.6733, 81.0459** 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 **45.9569, 40.1944, 12.9273**, and the grayscale version is **26.4783, 27.8573, 30.3366**.

A 20% lighter version of the original color is **53.4243, 61.1528, 103.5956**, and **13.3051, 14.0719, 43.0892** is the 20% darker color. If you saturate the color by 10%, you get **26.9914, 28.1892, 80.3631**, and if you desaturate by 10%, it is **34.7446, 37.8450, 81.8182**.

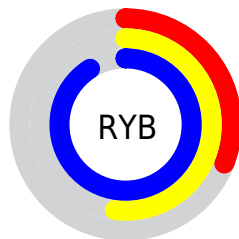
Distribution



Red (31%)

Green (63%)

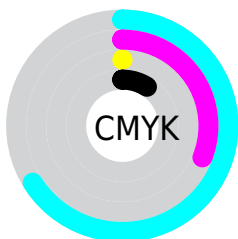
Blue (91%)



Red (31%)

Yellow (52%)

Blue (91%)

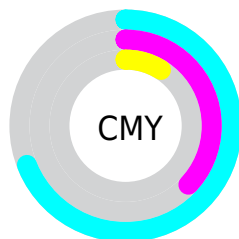


Cyan (66%)

Magenta (31%)

Yellow (0%)

Black (9%)



Cyan (69%)

Magenta (37%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4446, 32.6733, 81.0459 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 30.4446, 32.6733, 81.0459 by changing the saturation by 10% instead.

■ 30.4446, 32.6733,
81.0459

■ 30.4446, 32.6733,
81.0459

295.8441,
314.1750, 518.2501

■ 20.3260, 21.8763,
60.0482

■ 59.7464, 63.8651,
136.6599

■ 12.7419, 13.7660,
43.0319

■ 79.6603, 85.0287,
172.1132

■ 7.3268, 7.9581,
29.5786

■ 103.5701,
110.4167, 213.2221

■ 3.7155, 4.0682,
19.2696

■ 131.8411,
140.4133, 260.4052

■ 1.5425, 1.7118,
11.6865

164.8387,
175.4031, 314.0811

■ 0.3545, 0.4313,
6.4106

202.9281,

■ 0.0000, 0.0000,

215.7704, 374.6681

3.0235

246.4748,
261.8996, 442.5849

■ 0.0000, 0.0000,
1.1067

■ 0.0000, 0.0000,
0.0000

■ 30.4446, 32.6733,
81.0459

■ 30.4446, 32.6733,
81.0459

■ 26.9914, 28.1892,
80.3631

■ 34.7446, 37.8450,
81.8182

■ 24.3041, 24.3430,
79.7623

■ 39.9545, 43.7415,
82.6817

■ 22.2894, 21.0805,
79.2387

■ 46.1353, 50.4008,
83.6413

■ 21.5376, 19.7702,
79.0255

■ 53.3409, 57.8564,
84.7006

■ 61.6213, 66.1396,
85.8630

■ 71.0227, 75.2799,
87.1318

■ 81.5888, 85.3049,
88.5099

■ 89.3489, 94.1729,
89.8126

■ 91.5656, 98.6062,
90.5515

Harmonies

Analogous

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



25.0702, 32.6733, 72.0587



30.4446, 32.6733, 81.0459



36.7207, 32.6733, 74.9126

Triad

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



30.4446, 32.6733, 81.0459



42.7821, 32.6733, 22.3432



22.1817, 32.6733, 20.1816

Complementary

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



30.4446, 32.6733, 81.0459



45.9569, 40.1944, 12.9273

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.



26.0043, 32.6733, 13.1824



30.4446, 32.6733, 81.0459



37.9236, 32.6733, 14.1112

Square

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



30.4446, 32.6733, 81.0459



44.3732, 32.6733, 37.3645



31.6735, 32.6733, 11.3943



20.7102, 32.6733, 33.8448

Rectangle

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



30.4446, 32.6733, 81.0459



40.4978, 32.6733, 63.9080



31.6735, 32.6733, 11.3943



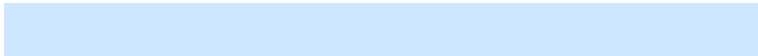
23.2075, 32.6733, 17.1680

Sweetspot

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



30.4458, 32.6744, 81.0467



71.4833, 77.1203, 105.7259



37.7469, 61.6520, 39.1626



14.6882, 15.8926, 22.5434



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.



30.4458, 32.6744, 81.0467



32.0441, 32.9855, 99.2857



21.1291, 14.0410, 77.9412



14.2075, 15.1364, 18.3171



12.0839, 11.2299, 43.9139



0.9858, 1.0156, 3.2760

Inverse Universe

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



42.4937, 25.4328, 35.9280



48.8461, 26.3798, 35.5793



62.1785, 72.6376, 18.3345



14.6923, 14.4941, 16.5801



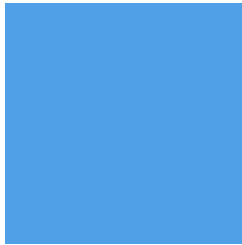
20.4929, 10.3314, 11.4905



1.5612, 0.7822, 1.0960

Previews

White Background



This preview shows how the XYZ color 30.4446, 32.6733, 81.0459 looks on a white background.

Color Contrast Check

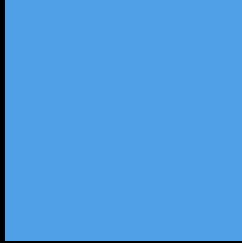
Large Text (above 18pt) WCAG AA × Fail

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 30.4446, 32.6733, 81.0459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

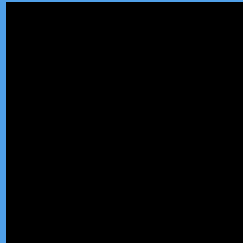
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

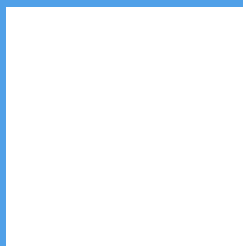
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4446, 32.6733, 81.0459

Background



This preview shows how black text looks on a background with the XYZ color 30.4446, 32.6733, 81.0459.



This preview shows how white text looks on a background with the XYZ color 30.4446, 32.6733,

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

30.4446, 32.6733, 81.0459

Protanopia

33.8631, 32.3153, 75.6869

Deuteranopia

33.4450, 32.4360, 82.3399



Tritanopia

24.1514, 32.5249, 49.8048

Trichromacy



Original Color

30.4446, 32.6733, 81.0459

Protanomaly

32.2413, 32.1574, 77.9065

Deuteranomaly

32.1900, 32.5437, 81.6758

Tritanomaly

26.1654, 32.5136, 60.1550

Monochromacy



Original Color

30.4446, 32.6733, 81.0459

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.6280, 29.0122, 45.2708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4446, 32.6733, 81.0459 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(80, 160, 232)` looks like.

```
.text, #text, p{  
    color:rgb(80, 160, 232)  
}
```

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(80, 160, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 160, 232) }
```

Border

The CSS property to change the border of an element to XYZ 30.4446, 32.6733, 81.0459 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(80, 160, 232) }
```


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

```
.border{ border-color:rgb(80, 160, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 160, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 160, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 160, 232);  
box-shadow:4px 4px 4px 4px rgb(80, 160,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4446, 32.6733, 81.0459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 160, 232) }
```

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

```
.background{ background-color: rgb(80, 160,  
232) }
```

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