

Converting Colors

XYZ(30.5304, 30.9077, 64.1188)

Have a look what the booklet for
XYZ(30.5304, 30.9077, 64.1188)
contains.

XYZ(30.4778, 30.8249, 64.0179)	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(30.4778, 30.8249,
64.0179)**

Conversions

Conversions Part 1

Format	Color
Hex	7A97D0
RGB	122, 151, 208
RGB Percent	48%, 59%, 82%
CMY	0.5216, 0.4078, 0.1843
CMYK	0.41, 0.27, 0.00, 0.18
HSL	220°, 48%, 65%
HSV	220°, 41%, 82%
XYZ	30.4778, 30.8249, 64.0179
YIQ	148.8270, -35.5810, 11.5790

Conversions

Conversions Part 2

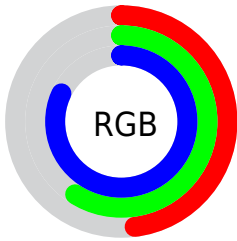
Format	Color
RYB	122, 144, 208
Decimal	8034256
CIELab	62.36, 4.47, -32.45
CIELCh	62, 32.754, 277.850
Yxy	30.8249, 0.2432, 0.2460
Android (android.graphics.Color)	4286224336 (0xFF7A97D0)
YUV	148.8270, 29.1723, -23.5273
Hunter-Lab	55.5202, 0.8273, -29.5006

Details

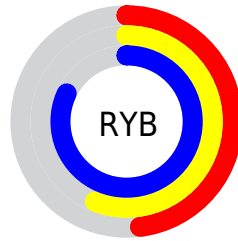
The XYZ color **30.4778, 30.8249, 64.0179** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.6461, 47.0561, 25.0904**, and the grayscale version is **28.3874, 29.8657, 32.5238**.

A 20% lighter version of the original color is **58.0128, 60.2298, 103.1756**, and **12.6908, 12.6432, 31.9085** is the 20% darker color. If you saturate the color by 10%, you get **25.7514, 25.2856, 63.1984**, and if you desaturate by 10%, it is **36.0961, 37.2104, 64.9549**.

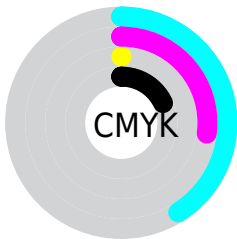
Distribution



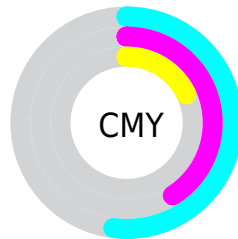
- Red (48%)
- Green (59%)
- Blue (82%)



- Red (48%)
- Yellow (56%)
- Blue (82%)



- Cyan (41%)
- Magenta (27%)
- Yellow (0%)
- Black (18%)



- Cyan (52%)
- Magenta (41%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4778, 30.8249, 64.0179 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 30.4778, 30.8249, 64.0179 by changing the saturation by 10% instead.

■ 30.4778, 30.8249,
64.0179

■ 30.4778, 30.8249,
64.0179

295.9953,
305.7308, 457.4635

■ 20.3514, 20.4656,
46.2189

■ 59.7984, 60.9643,
112.2364

■ 12.7605, 12.7339,
32.0687

■ 79.7234, 81.5131,
143.4930

■ 7.3397, 7.2456,
21.1487

■ 103.6452,
106.2272, 180.0726

■ 3.7236, 3.6161,
13.0404

131.9293,
135.4910, 222.3936

■ 1.5470, 1.4612,
7.3253

164.9410,
169.6889, 270.8747

■ 0.3575, 0.2612,
3.5849

203.0457,

■ 0.0000, 0.0000,

209.2052, 325.9344

1.4005

246.6087,
254.4244, 387.9911

■ 0.0000, 0.0000,
0.1421

■ 0.0000, 0.0000,
0.0000

■ 30.4778, 30.8249,
64.0179

■ 30.4778, 30.8249,
64.0179

■ 25.7514, 25.2856,
63.1984

■ 36.0961, 37.2104,
64.9549

■ 21.8642, 20.5502,
62.4892

■ 42.6485, 44.4746,
66.0117

■ 18.7625, 16.5778,
61.8860

■ 50.1783, 52.6524,
67.1933

■ 16.3845, 13.3216,
61.3828

■ 58.7251, 61.7757,
68.5038

■ 14.6575, 10.7283,
60.9732

■ 68.3262, 71.8748,
69.9471

■ 13.5842, 8.9520,
60.6870

■ 79.0169, 82.9785,
71.5268

■ 86.0407, 92.6450,
73.0225

■ 88.3853, 97.3341,
73.8040

Harmonies

Analogous

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



26.2006, 30.8249, 61.6293



30.4778, 30.8249, 64.0179



34.8456, 30.8249, 56.7638

Triad

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



30.4778, 30.8249, 64.0179



36.5570, 30.8249, 20.7023



22.0914, 30.8249, 25.1751

Complementary

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



30.4778, 30.8249, 64.0179



45.6461, 47.0561, 25.0904

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.



24.3731, 30.8249, 17.7423



30.4778, 30.8249, 64.0179



32.6307, 30.8249, 15.6505

Square

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



30.4778, 30.8249, 64.0179



38.5790, 30.8249, 30.3382



28.1493, 30.8249, 14.7237



21.6396, 30.8249, 37.0088

Rectangle

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



30.4778, 30.8249, 64.0179



37.1234, 30.8249, 48.3009



28.1493, 30.8249, 14.7237



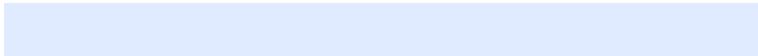
22.6579, 30.8249, 22.1769

Sweetspot

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



30.4789, 30.8261, 64.0186



78.5424, 82.3870, 106.3704



38.6086, 52.4604, 50.1588



16.4577, 17.2526, 22.7126



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.



30.4789, 30.8261, 64.0186



41.3447, 40.7057, 100.2856



28.3213, 23.6169, 62.7408



11.4848, 12.0599, 14.9661



8.5468, 5.7402, 37.8500



0.5506, 0.4663, 2.1406

Inverse Universe

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



38.5588, 29.5644, 32.9536



56.1967, 39.4893, 42.9362



48.6010, 58.1330, 27.0727



11.9709, 11.8731, 13.1224



16.9448, 8.6507, 4.6153



0.9841, 0.4984, 0.4512

Previews

White Background



This preview shows how the XYZ color 30.4778, 30.8249, 64.0179 looks on a white background.

Color Contrast Check

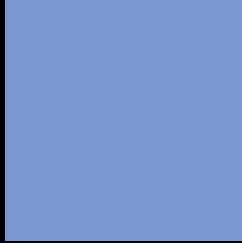
Large Text (above 18pt) WCAG AA × Fail

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 30.4778, 30.8249, 64.0179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

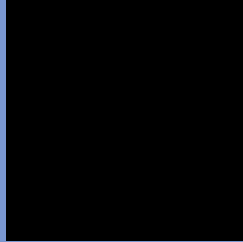
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4778, 30.8249, 64.0179

Background



This preview shows how black text looks on a background with the XYZ color 30.4778, 30.8249, 64.0179.

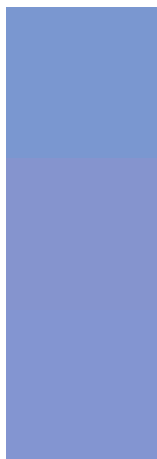


This preview shows how white text looks on a background with the XYZ color 30.4778, 30.8249,

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

30.4778, 30.8249, 64.0179

Protanopia

31.4033, 30.6226, 62.6481

Deuteranopia

31.6161, 30.9236, 64.6241



Tritanopia

26.2596, 30.8387, 43.0965

Trichromacy



Original Color

30.4778, 30.8249, 64.0179

Protanomaly

31.0632, 30.6670, 63.3136

Deuteranomaly

31.3171, 31.0053, 64.6556

Tritanomaly

27.5755, 30.6164, 49.8036

Monochromacy



Original Color

30.4778, 30.8249, 64.0179

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.8095, 30.2039, 42.3417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4778, 30.8249, 64.0179 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(122, 151, 208)` looks like.

```
.text, #text, p{  
    color:rgb(122, 151, 208)  
}
```

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(122, 151, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 151, 208) }
```

Border

The CSS property to change the border of an element to XYZ 30.4778, 30.8249, 64.0179 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(122, 151, 208) }
```


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

```
.border{ border-color:rgb(122, 151, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 151, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 151, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 151, 208);  
box-shadow:4px 4px 4px 4px rgb(122, 151,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4778, 30.8249, 64.0179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 151, 208) }
```

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

```
.background{ background-color: rgb(122,  
151, 208) }
```

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