

Converting Colors

XYZ(24.6772, 30.3806, 58.9410)

Have a look what the booklet for
XYZ(24.6772, 30.3806, 58.9410)
contains.

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Color

**XYZ(24.7457, 30.4721,
59.2210)**

Conversions

Conversions Part 1

Format	Color
Hex	37A1C8
RGB	55, 161, 200
RGB Percent	22%, 63%, 78%
CMY	0.7843, 0.3686, 0.2157
CMYK	0.72, 0.19, 0.00, 0.22
HSL	196°, 57%, 50%
HSV	196°, 72%, 78%
XYZ	24.7457, 30.4721, 59.2210
YIQ	133.7520, -75.6950, -10.3430

Conversions

Conversions Part 2

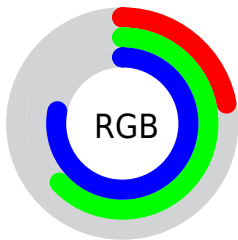
Format	Color
RYB	55, 116, 200
Decimal	3645896
CIELab	62.06, -17.19, -28.67
CIElCh	62, 33.431, 239.049
Yxy	30.4721, 0.2162, 0.2663
Android (android.graphics.Color)	4281835976 (0xFF37A1C8)
YUV	133.7520, 32.6603, -69.0655
Hunter-Lab	55.2015, -16.5849, -24.9661

Details

The XYZ color **24.7457, 30.4721, 59.2210** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **28.5128, 20.5621, 6.0816**, and the grayscale version is **22.4743, 23.6447, 25.7491**.

A 20% lighter version of the original color is **50.3516, 60.3248, 103.5978**, and **10.6569, 13.0126, 29.1441** is the 20% darker color. If you saturate the color by 10%, you get **22.9441, 28.1782, 58.8738**, and if you desaturate by 10%, it is **27.0335, 33.0778, 59.6040**.

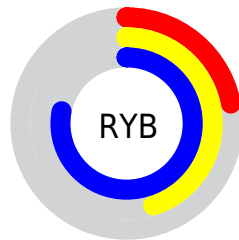
Distribution



Red (22%)

Green (63%)

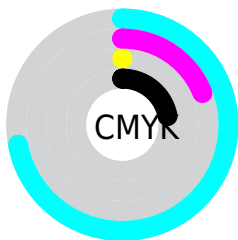
Blue (78%)



Red (22%)

Yellow (45%)

Blue (78%)

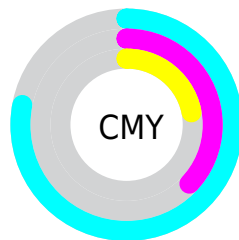


Cyan (72%)

Magenta (19%)

Yellow (0%)

Black (22%)



Cyan (78%)

Magenta (37%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7457, 30.4721, 59.2210 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 24.7457, 30.4721, 59.2210 by changing the saturation by 10% instead.

■ 24.7457, 30.4721,
59.2210

■ 24.7457, 30.4721,
59.2210

268.9402,
304.0989, 439.4451

■ 16.0154, 20.1972,
42.3699

■ 50.6902, 60.4080,
105.2311

■ 9.6260, 12.5385,
29.0633

■ 68.6352, 80.8377,
135.2271

■ 5.2120, 7.1115,
18.8827

■ 90.3825, 105.4213,
170.4418

■ 2.4082, 3.5319,
11.4096

■ 116.2973,
134.5429, 211.2938

■ 0.8492, 1.4153,
6.2254

■ 146.7452,
168.5871, 258.2016

■ 0.0000, 0.2280,
2.9116

182.0914,

■ 0.0000, 0.0000,

207.9382, 311.5837

1.0497

222.7013,
252.9807, 371.8587

■ 0.0000, 0.0000,
0.0000

■ 24.7457, 30.4721,
59.2210

■ 24.7457, 30.4721,
59.2210

■ 22.9441, 28.1782,
58.8738

■ 27.0335, 33.0778,
59.6040

■ 21.5678, 26.1623,
58.5572

■ 29.8528, 36.0178,
60.0228

■ 20.7362, 24.7917,
58.3365

■ 33.2468, 39.3155,
60.4805

■ 37.2532, 42.9911,
60.9788

■ 41.9065, 47.0632,
61.5195

■ 47.2384, 51.5486,
62.1043

■ 53.2785, 56.4633,
62.7346

■ 60.0544, 61.8224,
63.4118

■ 67.5925, 67.6399,
64.1374

Harmonies

Analogous

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



22.0522, 30.4721, 46.6904



24.7457, 30.4721, 59.2210



28.8197, 30.4721, 64.5487

Triad

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



24.7457, 30.4721, 59.2210



38.4808, 30.4721, 33.5911



24.9699, 30.4721, 15.9182

Complementary

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



24.7457, 30.4721, 59.2210



28.5128, 20.5621, 6.0816

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.



29.1064, 30.4721, 14.0891



24.7457, 30.4721, 59.2210



37.1846, 30.4721, 22.5634

Square

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



24.7457, 30.4721, 59.2210



37.0155, 30.4721, 47.5889



33.6337, 30.4721, 16.1711



22.1719, 30.4721, 22.0181

Rectangle

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



24.7457, 30.4721, 59.2210



31.8728, 30.4721, 62.4669



33.6337, 30.4721, 16.1711



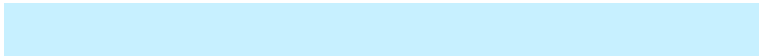
26.2356, 30.4721, 14.8659

Sweetspot

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



24.7467, 30.4732, 59.2218



72.7105, 81.6161, 106.5290



24.2363, 42.9237, 17.5207



15.0629, 17.0384, 22.7448



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.



24.7467, 30.4732, 59.2218



38.2709, 46.7236, 101.6092



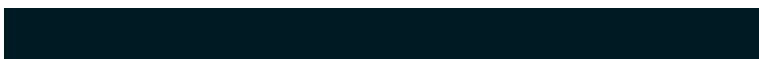
15.5606, 12.1009, 56.1597



10.6961, 11.5663, 13.5863



13.2619, 15.9176, 37.1178



0.6854, 0.8687, 1.7767

Inverse Universe

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



31.6195, 17.5860, 35.4472



51.6756, 26.3111, 54.1799



38.1765, 39.8895, 9.3029



10.9566, 10.7660, 12.7549



18.4933, 9.1469, 18.3395



0.9047, 0.4447, 1.0212

Previews

White Background



This preview shows how the XYZ color 24.7457, 30.4721, 59.2210 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 24.7457, 30.4721, 59.2210 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 24.7457, 30.4721, 59.2210

Background



This preview shows how black text looks on a background with the XYZ color 24.7457, 30.4721, 59.2210.

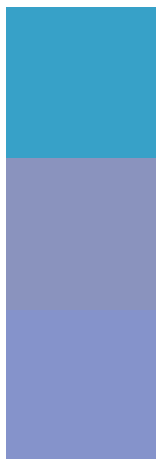


This preview shows how white text looks on a background with the XYZ color 24.7457, 30.4721,

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

24.7457, 30.4721, 59.2210

Protanopia

30.2092, 29.9884, 52.9113

Deuteranopia

30.8861, 30.1658, 60.6946



Tritanopia

22.2903, 30.5367, 46.8388

Trichromacy



Original Color

24.7457, 30.4721, 59.2210

Protanomaly

27.1502, 29.5397, 55.3097

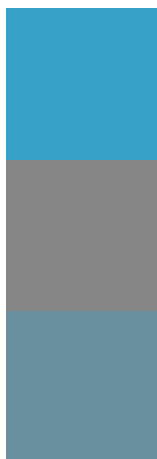
Deuteranomaly

27.7146, 29.7240, 60.1537

Tritanomaly

23.1771, 30.6316, 51.1453

Monochromacy



Original Color

24.7457, 30.4721, 59.2210

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.9705, 25.4184, 36.0960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7457, 30.4721, 59.2210 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(55, 161, 200)` looks like.

```
.text, #text, p{  
    color:rgb(55, 161, 200)  
}
```

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(55, 161, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 161, 200) }
```

Border

The CSS property to change the border of an element to XYZ 24.7457, 30.4721, 59.2210 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(55, 161, 200) }
```


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

```
.border{ border-color:rgb(55, 161, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 161, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 161, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 161, 200);  
box-shadow:4px 4px 4px 4px rgb(55, 161,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7457, 30.4721, 59.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 161, 200) }
```

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

```
.background{ background-color: rgb(55, 161,  
200) }
```

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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