

Converting Colors

XYZ(24.7950, 30.6318, 61.3643)

Have a look what the booklet for
XYZ(24.7950, 30.6318, 61.3643)
contains.

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Color

**XYZ(24.7820, 30.7103,
61.1215)**

Conversions

Conversions Part 1

Format	Color
Hex	2DA2CB
RGB	45, 162, 203
RGB Percent	18%, 64%, 80%
CMY	0.8235, 0.3647, 0.2039
CMYK	0.78, 0.20, 0.00, 0.20
HSL	196°, 64%, 49%
HSV	196°, 78%, 80%
XYZ	24.7820, 30.7103, 61.1215
YIQ	131.6910, -82.8930, -12.0530

Conversions

Conversions Part 2

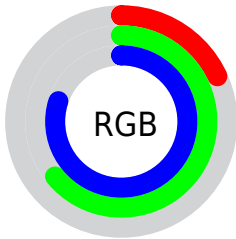
Format	Color
RYB	45, 112, 203
Decimal	2990795
CIELab	62.26, -17.91, -30.05
CIElCh	62, 34.983, 239.201
Yxy	30.7103, 0.2125, 0.2634
Android (android.graphics.Color)	4281180875 (0xFF2DA2CB)
YUV	131.6910, 35.1553, -76.0280
Hunter-Lab	55.4169, -17.1557, -26.6015

Details

The XYZ color **24.7820, 30.7103, 61.1215** 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 **28.4315, 19.5437, 4.7577**, and the grayscale version is **21.7216, 22.8528, 24.8867**.

A 20% lighter version of the original color is **49.9331, 60.4905, 103.6518**, and **11.0007, 13.3218, 30.4253** is the 20% darker color. If you saturate the color by 10%, you get **23.1855, 28.5389, 60.7871**, and if you desaturate by 10%, it is **26.8486, 33.1828, 61.4904**.

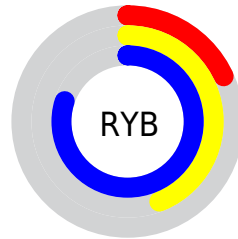
Distribution



Red (18%)

Green (64%)

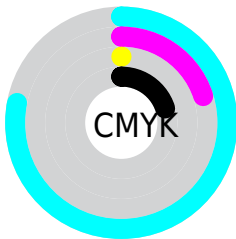
Blue (80%)



Red (18%)

Yellow (44%)

Blue (80%)

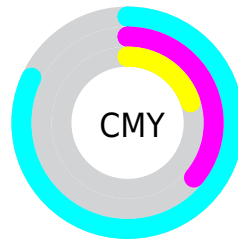


Cyan (78%)

Magenta (20%)

Yellow (0%)

Black (20%)



Cyan (82%)

Magenta (36%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7820, 30.7103, 61.1215 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 24.7820, 30.7103, 61.1215 by changing the saturation by 10% instead.

■ 24.7820, 30.7103,
61.1215

■ 24.7820, 30.7103,
61.1215

269.1182,
305.2014, 446.6382

■ 16.0426, 20.3784,
43.8920

■ 50.7488, 60.7837,
108.0141

■ 9.6453, 12.6704,
30.2491

■ 68.7069, 81.2939,
138.5143

■ 5.2249, 7.2020,
19.7741

■ 90.4685, 105.9657,
174.2751

■ 2.4159, 3.5887,
12.0485

■ 116.3992,
135.1834, 215.7152

■ 0.8531, 1.4463,
6.6538

■ 146.8641,
169.3314, 263.2530

■ 0.0000, 0.2505,
3.1714

182.2287,

■ 0.0000, 0.0000,

208.7942, 317.3071

1.1828

222.8583,
253.9560, 378.2960

■ 0.0000, 0.0000,
0.0000

■ 24.7820, 30.7103,
61.1215

■ 24.7820, 30.7103,
61.1215

■ 23.1855, 28.5389,
60.7871

■ 26.8486, 33.1828,
61.4904

■ 21.9766, 26.6238,
60.4812

■ 29.4370, 35.9822,
61.8943

■ 21.7372, 26.2271,
60.4172

■ 32.5950, 39.1344,
62.3363

■ 36.3641, 42.6612,
62.8184

■ 40.7816, 46.5828,
63.3425

■ 45.8817, 50.9173,
63.9104

■ 51.6963, 55.6818,
64.5235

■ 58.2551, 60.8922,
65.1836

■ 65.5860, 66.5635,
65.8919

Harmonies

Analogous

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



21.9582, 30.7103, 47.7988



24.7820, 30.7103, 61.1215



29.0627, 30.7103, 66.7665

Triad

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



24.7820, 30.7103, 61.1215



39.2433, 30.7103, 33.8025



24.9793, 30.7103, 15.4863

Complementary

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



24.7820, 30.7103, 61.1215



28.4315, 19.5437, 4.7577

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.



29.3161, 30.7103, 13.5924



24.7820, 30.7103, 61.1215



37.8553, 30.7103, 22.2874

Square

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



24.7820, 30.7103, 61.1215



37.7049, 30.7103, 48.6008



34.0902, 30.7103, 15.7046



22.0632, 30.7103, 21.8113

Rectangle

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



24.7820, 30.7103, 61.1215



32.2787, 30.7103, 64.5026



34.0902, 30.7103, 15.7046



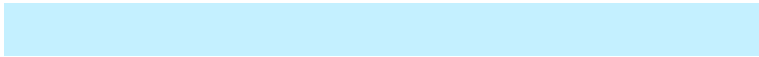
26.3034, 30.7103, 14.4003

Sweetspot

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



24.7830, 30.7114, 61.1223



72.0014, 81.1934, 106.4848



24.0592, 43.9187, 15.7017



14.7633, 16.8228, 22.7190



0.0000, 0.0000, 0.0000



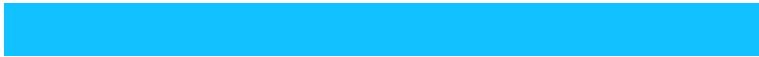
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.7830, 30.7114, 61.1223



37.4680, 45.6898, 101.4520



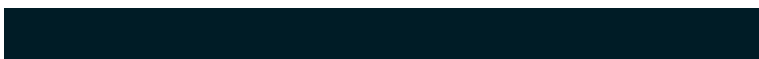
15.0724, 11.2901, 57.8854



11.2873, 12.2151, 14.3332



13.9103, 16.8447, 38.4745



0.7769, 0.9875, 2.0046

Inverse Universe

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



32.0895, 17.1831, 35.8087



51.1307, 25.5585, 52.9587



38.2897, 39.2600, 8.0438



11.5584, 11.3521, 13.4750



19.2322, 9.5035, 19.4733



1.0221, 0.5022, 1.1621

Previews

White Background



This preview shows how the XYZ color 24.7820, 30.7103, 61.1215 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 24.7820, 30.7103, 61.1215 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 24.7820, 30.7103, 61.1215

Background



This preview shows how black text looks on a background with the XYZ color 24.7820, 30.7103, 61.1215.

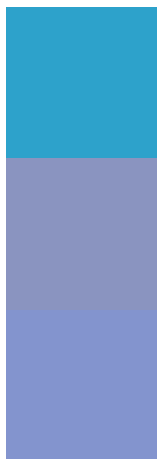


This preview shows how white text looks on a background with the XYZ color 24.7820, 30.7103,

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

24.7820, 30.7103, 61.1215

Protanopia

30.5856, 30.3889, 54.1228

Deuteranopia

31.0906, 30.4613, 62.6335



Tritanopia

22.0261, 30.6459, 47.9344

Trichromacy



Original Color

24.7820, 30.7103, 61.1215

Protanomaly

27.0640, 29.7110, 56.5329

Deuteranomaly

27.6662, 29.8996, 62.0706

Tritanomaly

22.9089, 30.7353, 52.3020

Monochromacy



Original Color

24.7820, 30.7103, 61.1215

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.2495, 24.8229, 36.0191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7820, 30.7103, 61.1215 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(45, 162, 203)` looks like.

```
.text, #text, p{  
    color:rgb(45, 162, 203)  
}
```

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(45, 162, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 162, 203) }
```

Border

The CSS property to change the border of an element to XYZ 24.7820, 30.7103, 61.1215 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(45, 162, 203) }
```


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

```
.border{ border-color:rgb(45, 162, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 162, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 162, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 162, 203);  
box-shadow:4px 4px 4px 4px rgb(45, 162,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7820, 30.7103, 61.1215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 162, 203) }
```

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

```
.background{ background-color: rgb(45, 162,  
203) }
```

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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