

Converting Colors

XYZ(25.6778, 32.0781, 59.6404)

Have a look what the booklet for
XYZ(25.6778, 32.0781, 59.6404)
contains.

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Color

**XYZ(25.6254, 31.9799,
59.4657)**

Conversions

Conversions Part 1

Format	Color
Hex	3AA5C8
RGB	58, 165, 200
RGB Percent	23%, 65%, 78%
CMY	0.7725, 0.3529, 0.2157
CMYK	0.71, 0.17, 0.00, 0.22
HSL	195°, 56%, 51%
HSV	195°, 71%, 78%
XYZ	25.6254, 31.9799, 59.4657
YIQ	136.9970, -75.0070, -11.7990

Conversions

Conversions Part 2

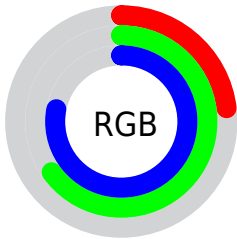
Format	Color
RYB	58, 119, 200
Decimal	3843528
CIELab	63.33, -18.91, -26.71
CIElCh	63, 32.730, 234.696
Yxy	31.9799, 0.2189, 0.2732
Android (android.graphics.Color)	4282033608 (0xFF3AA5C8)
YUV	136.9970, 31.0605, -69.2804
Hunter-Lab	56.5508, -18.0784, -22.7606

Details

The XYZ color **25.6254, 31.9799, 59.4657** 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 **28.4988, 20.4154, 6.4428**, and the grayscale version is **23.6848, 24.9183, 27.1360**.

A 20% lighter version of the original color is **51.8116, 62.6174, 103.9633**, and **11.0934, 13.8856, 29.2896** is the 20% darker color. If you saturate the color by 10%, you get **23.8085, 29.7491, 59.1315**, and if you desaturate by 10%, it is **27.9301, 34.5142, 59.8340**.

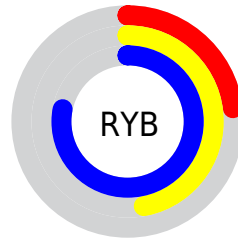
Distribution



Red (23%)

Green (65%)

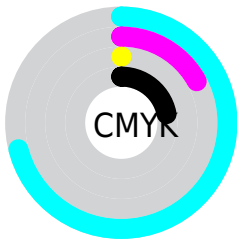
Blue (78%)



Red (23%)

Yellow (47%)

Blue (78%)

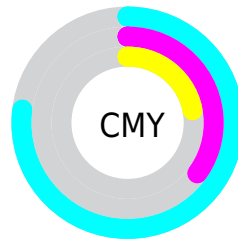


Cyan (71%)

Magenta (17%)

Yellow (0%)

Black (22%)



Cyan (77%)

Magenta (35%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6254, 31.9799, 59.4657 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 25.6254, 31.9799, 59.4657 by changing the saturation by 10% instead.

■ 25.6254, 31.9799,
59.4657

■ 25.6254, 31.9799,
59.4657

273.2289,
311.0277, 440.3754

■ 16.6748, 21.3461,
42.5656

■ 52.1056, 62.7796,
105.5900

■ 10.0968, 13.3773,
29.2156

■ 70.3660, 83.7143,
135.6513

■ 5.5259, 7.6888,
18.9970

■ 92.4603, 108.8514,
170.9367

■ 2.5969, 3.8965,
11.4913

■ 118.7539,
138.5754, 211.8649

■ 0.9444, 1.6158,
6.2800

■ 149.6123,
173.2707, 258.8543

■ 0.0000, 0.3682,
2.9446

185.4006,

■ 0.0000, 0.0000,

213.3215, 312.3235

1.0664

226.4844,
259.1124, 372.6910

■ 0.0000, 0.0000,
0.0000

■ 25.6254, 31.9799,
59.4657

■ 25.6254, 31.9799,
59.4657

■ 23.8085, 29.7491,
59.1315

■ 27.9301, 34.5142,
59.8340

■ 22.4202, 27.7890,
58.8263

■ 30.7666, 37.3735,
60.2364

■ 21.4444, 26.2080,
58.5726

■ 34.1772, 40.5808,
60.6757

■ 38.1991, 44.1557,
61.1538

■ 42.8660, 48.1162,
61.6723

■ 48.2093, 52.4790,
62.2327

■ 54.2581, 57.2596,
62.8367

■ 61.0398, 62.4726,
63.4855

■ 68.5804, 68.1319,
64.1804

Harmonies

Analogous

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



23.1352, 31.9799, 46.3444



25.6254, 31.9799, 59.4657



29.5962, 31.9799, 66.1145

Triad

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



25.6254, 31.9799, 59.4657



39.9421, 31.9799, 37.1829



26.8929, 31.9799, 16.6888

Complementary

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



25.6254, 31.9799, 59.4657



28.4988, 20.4154, 6.4428

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.



31.2099, 31.9799, 15.3893



25.6254, 31.9799, 59.4657



39.0360, 31.9799, 25.3856

Square

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



25.6254, 31.9799, 59.4657



38.0905, 31.9799, 51.3577



35.7246, 31.9799, 18.1443



23.8144, 31.9799, 22.2796

Rectangle

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



25.6254, 31.9799, 59.4657



32.6646, 31.9799, 65.0305



35.7246, 31.9799, 18.1443



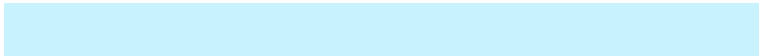
28.2348, 31.9799, 15.8054

Sweetspot

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



25.6265, 31.9810, 59.4665



73.9514, 83.0856, 106.7472



24.2944, 42.9666, 16.9425



15.3216, 17.3592, 22.7931



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.



25.6265, 31.9810, 59.4665



39.8793, 49.6782, 102.0947



16.3424, 13.4129, 56.3718



10.7167, 11.6075, 13.5931



13.7085, 16.8108, 37.2667



0.7035, 0.9049, 1.7827

Inverse Universe

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



32.1250, 18.0233, 37.3840



52.5514, 26.9064, 58.0367



37.5281, 38.4740, 9.4526



10.9671, 10.7702, 12.8098



18.7187, 9.2371, 19.5265



0.9138, 0.4484, 1.0693

Previews

White Background



This preview shows how the XYZ color 25.6254, 31.9799, 59.4657 looks on a white background.

Color Contrast Check

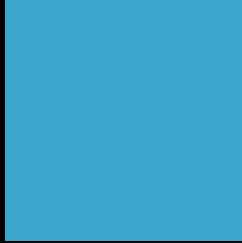
Large Text (above 18pt) WCAG AA × Fail

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 25.6254, 31.9799, 59.4657 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 25.6254, 31.9799, 59.4657

Background



This preview shows how black text looks on a background with the XYZ color 25.6254, 31.9799, 59.4657.

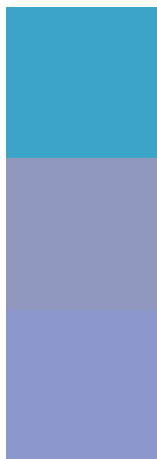


This preview shows how white text looks on a background with the XYZ color 25.6254, 31.9799,

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

25.6254, 31.9799, 59.4657

Protanopia

31.6886, 31.6906, 53.1619

Deuteranopia

32.3333, 31.6135, 60.8978



Tritanopia

23.5283, 31.9406, 49.1810

Trichromacy



Original Color

25.6254, 31.9799, 59.4657

Protanomaly

28.3082, 31.1167, 55.5531

Deuteranomaly

28.8124, 31.0220, 60.3464

Tritanomaly

24.3194, 31.9897, 53.0370

Monochromacy



Original Color

25.6254, 31.9799, 59.4657

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.9632, 26.5936, 37.1805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6254, 31.9799, 59.4657 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(58, 165, 200)` looks like.

```
.text, #text, p{  
    color:rgb(58, 165, 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(58, 165, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 165, 200) }
```

Border

The CSS property to change the border of an element to XYZ 25.6254, 31.9799, 59.4657 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(58, 165, 200) }
```


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

```
.border{ border-color:rgb(58, 165, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 165, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 165, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 165, 200);  
box-shadow:4px 4px 4px 4px rgb(58, 165,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6254, 31.9799, 59.4657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 165, 200) }
```

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

```
.background{ background-color: rgb(58, 165,  
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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