

Converting Colors

XYZ(24.9592, 31.1315, 60.2298)

Have a look what the booklet for
XYZ(24.9592, 31.1315, 60.2298)
contains.

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Color

**XYZ(24.8587, 31.0398,
59.9394)**

Conversions

Conversions Part 1

Format	Color
Hex	30A3C9
RGB	48, 163, 201
RGB Percent	19%, 64%, 79%
CMY	0.8117, 0.3608, 0.2118
CMYK	0.76, 0.19, 0.00, 0.21
HSL	195°, 61%, 49%
HSV	195°, 76%, 79%
XYZ	24.8587, 31.0398, 59.9394
YIQ	132.9470, -80.7380, -12.5620

Conversions

Conversions Part 2

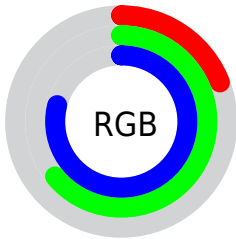
Format	Color
R _Y B	48, 114, 201
Decimal	3187657
CIE Lab	62.54, -18.79, -28.50
CIE LCh	63, 34.132, 236.607
Yxy	31.0398, 0.2146, 0.2680
Android (android.graphics.Color)	4281377737 (0xFF30A3C9)
YUV	132.9470, 33.5501, -74.4985
Hunter-Lab	55.7134, -17.8536, -24.7880




Details

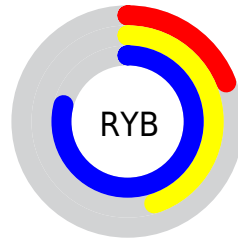
The XYZ color **24.8587, 31.0398, 59.9394** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **27.9499, 19.2883, 5.0474**, and the grayscale version is **22.1795, 23.3345, 25.4113**.




A 20% lighter version of the original color is **50.4575, 61.1447, 103.7505**, and **10.9509, 13.4755, 29.6276** is the 20% darker color. If you saturate the color by 10%, you get **23.2477, 28.9198, 59.6157**, and if you desaturate by 10%, it is **26.9360, 33.4533, 60.2964**.

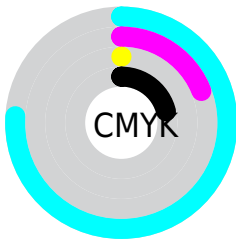
Distribution







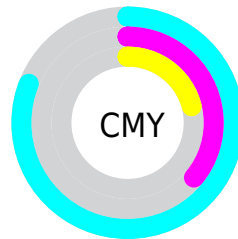
-  Red (19%)
-  Green (64%)
-  Blue (79%)






-  Red (19%)
-  Yellow (45%)
-  Blue (79%)



-  Cyan (76%)
-  Magenta (19%)
-  Yellow (0%)
-  Black (21%)



-  Cyan (81%)
-  Magenta (36%)
-  Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8587, 31.0398, 59.9394 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 24.8587, 31.0398, 59.9394 by changing the saturation by 10% instead.

■ 24.8587, 31.0398,
59.9394

■ 24.8587, 31.0398,
59.9394

269.4942,
306.7216, 442.1728

■ 16.1000, 20.6292,
42.9448

■ 50.8724, 61.3027,
106.2843

■ 9.6862, 12.8532,
29.5107

■ 68.8582, 81.9238,
136.4716

■ 5.2521, 7.3275,
19.2186

■ 90.6503, 106.7171,
171.8937

■ 2.4322, 3.6678,
11.6500

■ 116.6142,
136.0671, 212.9689

■ 0.8612, 1.4895,
6.3862

■ 147.1151,
170.3582, 260.1159

■ 0.0000, 0.2813,
3.0087

182.5186,

■ 0.0000, 0.0000,

209.9747, 313.7532

1.0991

223.1898,
255.3010, 374.2993

■ 0.0000, 0.0000,
0.0000

■ 24.8587, 31.0398,
59.9394

■ 24.8587, 31.0398,
59.9394

■ 23.2477, 28.9198,
59.6157

■ 26.9360, 33.4533,
60.2964

■ 22.0346, 27.0557,
59.3198

■ 29.5283, 36.1842,
60.6869

■ 21.6218, 26.3753,
59.2103

■ 32.6813, 39.2573,
61.1139

■ 36.4344, 42.6935,
61.5793

■ 40.8237, 46.5118,
62.0850

■ 45.8820, 50.7298,
62.6325

■ 51.6399, 55.3637,
63.2235

■ 58.1260, 60.4289,
63.8593

■ 65.3673, 65.9398,
64.5414

Harmonies

Analogous

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



22.2216, 31.0398, 46.5836



24.8587, 31.0398, 59.9394



28.9775, 31.0398, 66.2654

Triad

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



24.8587, 31.0398, 59.9394



39.3367, 31.0398, 35.3320



25.6836, 31.0398, 15.7102

Complementary

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



24.8587, 31.0398, 59.9394



27.9499, 19.2883, 5.0474

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.



30.0336, 31.0398, 14.1665



24.8587, 31.0398, 59.9394



38.2216, 31.0398, 23.5947

Square

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



24.8587, 31.0398, 59.9394



37.5974, 31.0398, 49.9037



34.6911, 31.0398, 16.6352



22.6616, 31.0398, 21.5928

Rectangle

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



24.8587, 31.0398, 59.9394



32.1270, 31.0398, 64.6784



34.6911, 31.0398, 16.6352



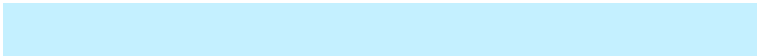
27.0248, 31.0398, 14.7462

Sweetspot

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



24.8597, 31.0409, 59.9402



72.1938, 81.5781, 106.5489



23.6951, 43.0379, 15.3861



14.8104, 16.9169, 22.7346



0.0000, 0.0000, 0.0000



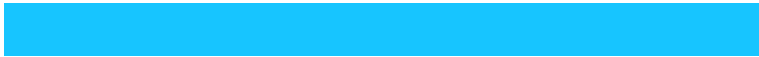
20.3446, 21.4041, 23.3091

Same Dimension

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



24.8597, 31.0409, 59.9402



38.4514, 47.4999, 101.7495



15.3186, 11.9586, 56.7598



10.7150, 11.6041, 13.5926



13.6703, 16.7345, 37.2539



0.7020, 0.9018, 1.7822

Inverse Universe

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



31.7561, 17.1769, 36.2931



51.6653, 25.9188, 55.3225



37.2275, 37.8434, 8.1399



10.9662, 10.7699, 12.8052



18.6995, 9.2294, 19.4251



0.9130, 0.4481, 1.0652

Previews

White Background



This preview shows how the XYZ color 24.8587, 31.0398, 59.9394 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 24.8587, 31.0398, 59.9394 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 24.8587, 31.0398, 59.9394

Background



This preview shows how black text looks on a background with the XYZ color 24.8587, 31.0398, 59.9394.

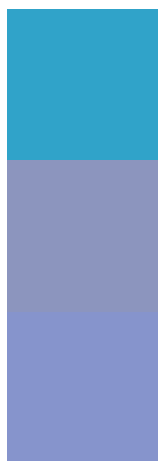


This preview shows how white text looks on a background with the XYZ color 24.8587, 31.0398,

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

24.8587, 31.0398, 59.9394

Protanopia

30.8569, 30.7880, 53.0315

Deuteranopia

31.3205, 30.6078, 61.3839



Tritanopia

22.5089, 31.1657, 48.0093

Trichromacy



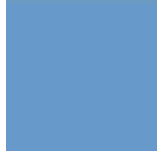
Original Color

24.8587, 31.0398, 59.9394



Protanomaly

27.3566, 30.1320, 55.4132



Deuteranomaly

27.7642, 29.9778, 60.8229



Tritanomaly

23.4065, 31.2606, 52.3772

Monochromacy



Original Color

24.8587, 31.0398, 59.9394



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.6243, 25.2399, 36.0798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8587, 31.0398, 59.9394 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(48, 163, 201)` looks like.

```
.text, #text, p{  
    color:rgb(48, 163, 201)  
}
```

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(48, 163, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 163, 201) }
```

Border

The CSS property to change the border of an element to XYZ 24.8587, 31.0398, 59.9394 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(48, 163, 201) }
```


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

```
.border{ border-color:rgb(48, 163, 201) }
```

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

Here you see how a box with a 4 pixel rgb(48, 163, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 163, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 163, 201);  
box-shadow:4px 4px 4px 4px rgb(48, 163,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8587, 31.0398, 59.9394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 163, 201) }
```

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

```
.background{ background-color: rgb(48, 163,  
201) }
```

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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