

Converting Colors

XYZ(25.5459, 31.2392, 66.9707)

Have a look what the booklet for
XYZ(25.5459, 31.2392, 66.9707)
contains.

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Color

**XYZ(25.5459, 31.2392,
66.9707)**

Conversions

Conversions Part 1

Format	Color
Hex	1FA3D4
RGB	31, 163, 212
RGB Percent	12%, 64%, 83%
CMY	0.8784, 0.3608, 0.1686
CMYK	0.85, 0.23, 0.00, 0.17
HSL	196°, 74%, 48%
HSV	196°, 85%, 83%
XYZ	25.5459, 31.2392, 66.9707
YIQ	129.1180, -94.4010, -12.7450

Conversions

Conversions Part 2

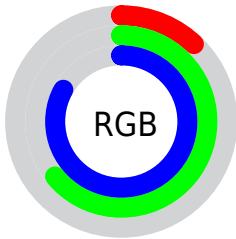
Format	Color
RYB	31, 107, 212
Decimal	2073556
CIELab	62.71, -16.59, -34.38
CIELCh	63, 38.175, 244.243
Yxy	31.2392, 0.2064, 0.2524
Android (android.graphics.Color)	4280263636 (0xFF1FA3D4)
YUV	129.1180, 40.8608, -86.0495
Hunter-Lab	55.8920, -16.2262, -31.9178

Details

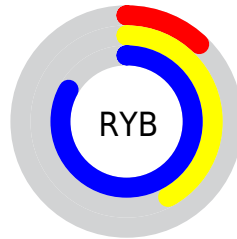
The XYZ color **25.5459, 31.2392, 66.9707** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **30.2691, 19.8361, 3.5310**, and the grayscale version is **20.7949, 21.8779, 23.8250**.

A 20% lighter version of the original color is **49.5518, 60.6778, 103.7081**, and **11.7702, 13.8032, 33.9422** is the 20% darker color. If you saturate the color by 10%, you get **24.1081, 29.0198, 66.6187**, and if you desaturate by 10%, it is **27.4512, 33.7694, 67.3593**.

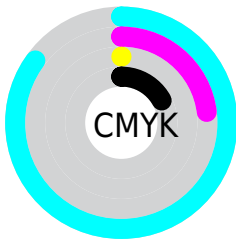
Distribution



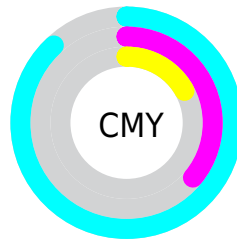
- Red (12%)
- Green (64%)
- Blue (83%)



- Red (12%)
- Yellow (42%)
- Blue (83%)



- Cyan (85%)
- Magenta (23%)
- Yellow (0%)
- Black (17%)



- Cyan (88%)
- Magenta (36%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5459, 31.2392, 66.9707 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 25.5459, 31.2392, 66.9707 by changing the saturation by 10% instead.

■ 25.5459, 31.2392,
66.9707

■ 25.5459, 31.2392,
66.9707

272.8435,
307.6388, 468.3391

■ 16.6151, 20.7811,
48.5994

■ 51.9780, 61.6165,
116.5187

■ 10.0541, 12.9641,
33.9384

■ 70.2100, 82.3044,
148.5324

■ 5.4974, 7.4038,
22.5693

■ 92.2732, 107.1710,
185.9307

■ 2.5797, 3.7159,
14.0735

■ 118.5329,
136.6008, 229.1320

■ 0.9356, 1.5159,
8.0325

■ 149.3544,
170.9780, 278.5550

■ 0.0000, 0.2999,
4.0277

185.1031,

■ 0.0000, 0.0000,

210.6872, 334.6182

1.6405

226.1443,
256.1127, 397.7400

■ 0.0000, 0.0000,
0.3195

■ 0.0000, 0.0000,
0.0000

■ 25.5459, 31.2392,
66.9707

■ 25.5459, 31.2392,
66.9707

■ 24.1081, 29.0198,
66.6187

■ 27.4512, 33.7694,
67.3593

■ 23.5394, 28.0647,
66.4644

■ 29.8925, 36.6449,
67.7856

■ 32.9295, 39.8979,
68.2535

■ 36.6128, 43.5554,
68.7653

■ 40.9873, 47.6414,
69.3234

■ 46.0938, 52.1775,
69.9298

■ 51.9696, 57.1841,
70.5865

■ 58.6496, 62.6797,
71.2952

■ 66.1664, 68.6820,
72.0576

Harmonies

Analogous

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



22.1531, 31.2392, 52.8585



25.5459, 31.2392, 66.9707



30.4397, 31.2392, 71.4224

Triad

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



25.5459, 31.2392, 66.9707



40.8511, 31.2392, 31.9342



24.4015, 31.2392, 15.3752

Complementary

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



25.5459, 31.2392, 66.9707



30.2691, 19.8361, 3.5310

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.



28.9565, 31.2392, 12.6674



25.5459, 31.2392, 66.9707



38.7721, 31.2392, 20.2835

Square

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



25.5459, 31.2392, 66.9707



39.6649, 31.2392, 48.0750



34.2639, 31.2392, 14.1579



21.5487, 31.2392, 23.0030

Rectangle

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



25.5459, 31.2392, 66.9707



34.0006, 31.2392, 67.4754



34.2639, 31.2392, 14.1579



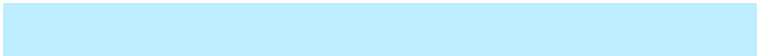
25.7636, 31.2392, 13.9800

Sweetspot

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



25.5470, 31.2403, 66.9715



69.2606, 78.5979, 106.1282



25.5309, 47.9476, 15.3600



14.2235, 16.2947, 22.6455



0.0000, 0.0000, 0.0000



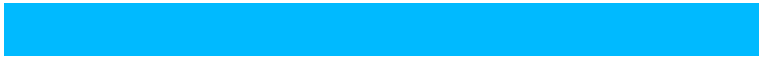
20.3446, 21.4041, 23.3091

Same Dimension

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



25.5470, 31.2403, 66.9715



35.6009, 42.3218, 100.9003



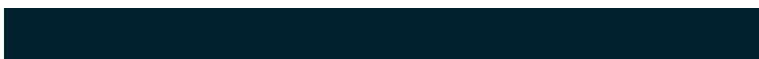
14.8483, 9.8428, 63.4052



12.4946, 13.5127, 15.8872



14.6188, 17.4993, 41.0604



0.9487, 1.1893, 2.4989

Inverse Universe

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



34.2532, 17.6225, 36.2475



50.0989, 24.8036, 48.5802



41.7312, 42.7601, 7.3517



12.8029, 12.5726, 14.9021



20.4377, 10.1114, 20.1410



1.2665, 0.6234, 1.3927

Previews

White Background



This preview shows how the XYZ color 25.5459, 31.2392, 66.9707 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 25.5459, 31.2392, 66.9707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

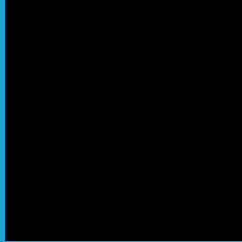
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.5459, 31.2392, 66.9707

Background



This preview shows how black text looks on a background with the XYZ color 25.5459, 31.2392, 66.9707.

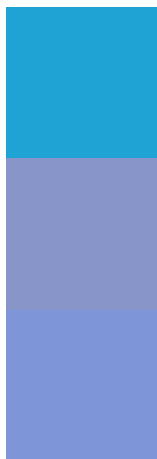


This preview shows how white text looks on a background with the XYZ color 25.5459, 31.2392,

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

25.5459, 31.2392, 66.9707

Protanopia

31.4434, 30.9462, 59.5743

Deuteranopia

31.6174, 30.8368, 68.5757



Tritanopia

22.1592, 30.9736, 48.5267

Trichromacy



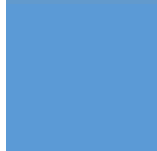
Original Color

25.5459, 31.2392, 66.9707



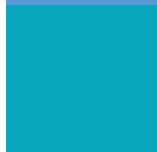
Protanomaly

27.6120, 30.1157, 62.1152



Deuteranomaly

28.0076, 30.1904, 67.9695



Tritanomaly

23.2887, 31.1494, 54.6542

Monochromacy



Original Color

25.5459, 31.2392, 66.9707



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

20.2971, 23.8801, 36.3404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5459, 31.2392, 66.9707 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(31, 163, 212)` looks like.

```
.text, #text, p{  
    color:rgb(31, 163, 212)  
}
```

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(31, 163, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 163, 212) }
```

Border

The CSS property to change the border of an element to XYZ 25.5459, 31.2392, 66.9707 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(31, 163, 212) }
```


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

```
.border{ border-color:rgb(31, 163, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 163, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 163, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 163, 212);  
box-shadow:4px 4px 4px 4px rgb(31, 163,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5459, 31.2392, 66.9707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 163, 212) }
```

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

```
.background{ background-color: rgb(31, 163,  
212) }
```

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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