

Converting Colors

XYZ(24.6870, 31.8891, 58.2808)

Have a look what the booklet for
XYZ(24.6870, 31.8891, 58.2808)
contains.

XYZ(24.6286, 31.7617, 58.2586)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.6286, 31.7617,
58.2586)**

Conversions

Conversions Part 1

Format	Color
Hex	26A6C6
RGB	38, 166, 198
RGB Percent	15%, 65%, 78%
CMY	0.8509, 0.3490, 0.2235
CMYK	0.81, 0.16, 0.00, 0.22
HSL	192°, 68%, 46%
HSV	192°, 81%, 78%
XYZ	24.6286, 31.7617, 58.2586
YIQ	131.3760, -86.5600, -17.1840

Conversions

Conversions Part 2

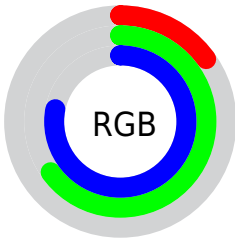
Format	Color
R _Y B	38, 109, 198
Decimal	2533062
CIE Lab	63.15, -22.38, -25.91
CIE LCh	63, 34.236, 229.181
Yxy	31.7617, 0.2148, 0.2770
Android (android.graphics.Color)	4280723142 (0xFF26A6C6)
YUV	131.3760, 32.8456, -81.8908
Hunter-Lab	56.3575, -20.6200, -21.8397

Details

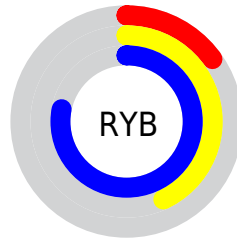
The XYZ color **24.6286, 31.7617, 58.2586** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **25.8301, 16.5280, 3.6639**, and the grayscale version is **21.6181, 22.7439, 24.7681**.

A 20% lighter version of the original color is **50.4620, 62.3124, 103.9756**, and **11.0514, 14.0482, 28.5147** is the 20% darker color. If you saturate the color by 10%, you get **23.3744, 30.0634, 57.9975**, and if you desaturate by 10%, it is **26.2950, 33.7066, 58.5468**.

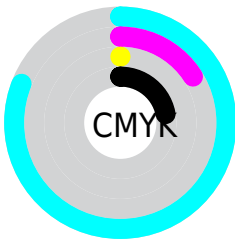
Distribution



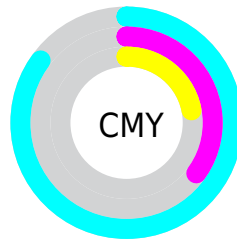
- Red (15%)
- Green (65%)
- Blue (78%)



- Red (15%)
- Yellow (43%)
- Blue (78%)



- Cyan (81%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)



- Cyan (85%)
- Magenta (35%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6286, 31.7617, 58.2586 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 24.6286, 31.7617, 58.2586 by changing the saturation by 10% instead.

■ 24.6286, 31.7617,
58.2586

■ 24.6286, 31.7617,
58.2586

268.3651,
310.0323, 435.7740

■ 15.9278, 21.1795,
41.6005

■ 50.5013, 62.4373,
103.8178

■ 9.5636, 13.2553,
28.4654

■ 68.4039, 83.2996,
133.5561

■ 5.1706, 7.6046,
18.4347

■ 90.1046, 108.3573,
168.4914

■ 2.3835, 3.8430,
11.0898

■ 115.9686,
137.9950, 209.0424

■ 0.8369, 1.5861,
6.0124

■ 146.3613,
172.5969, 255.6277

■ 0.0000, 0.3482,
2.7837

181.6480,

■ 0.0000, 0.0000,

212.5475, 308.6656

0.9853

222.1942,
258.2312, 368.5749

■ 0.0000, 0.0000,
0.0000

■ 24.6286, 31.7617,
58.2586

■ 24.6286, 31.7617,
58.2586

■ 23.3744, 30.0634,
57.9975

■ 26.2950, 33.7066,
58.5468

■ 22.4881, 28.6672,
57.7747

■ 28.4247, 35.9230,
58.8623

■ 31.0644, 38.4357,
59.2082

■ 34.2541, 41.2658,
59.5864

■ 38.0298, 44.4320,
59.9985

■ 42.4242, 47.9514,
60.4462

■ 47.4677, 51.8401,
60.9310

■ 53.1885, 56.1128,
61.4542

■ 59.6132, 60.7835,
62.0171

Harmonies

Analogous

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



22.3922, 31.7617, 43.8594



24.6286, 31.7617, 58.2586



28.5144, 31.7617, 66.9682

Triad

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



24.6286, 31.7617, 58.2586



40.0247, 31.7617, 39.7030



27.2998, 31.7617, 15.3638

Complementary

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



24.6286, 31.7617, 58.2586



25.8301, 16.5280, 3.6639

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.



31.9270, 31.7617, 14.7990



24.6286, 31.7617, 58.2586



39.6122, 31.7617, 26.7167

Square

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



24.6286, 31.7617, 58.2586



37.6023, 31.7617, 54.5412



36.5280, 31.7617, 18.3879



23.8195, 31.7617, 20.2060

Rectangle

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



24.6286, 31.7617, 58.2586



31.6620, 31.7617, 67.1693



36.5280, 31.7617, 18.3879



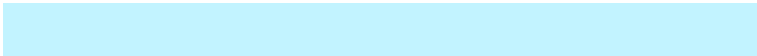
28.7615, 31.7617, 14.7257

Sweetspot

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



24.6297, 31.7628, 58.2594



72.2254, 82.6201, 106.7483



22.1001, 41.2433, 12.5924



14.8602, 17.2036, 22.7874



0.0000, 0.0000, 0.0000



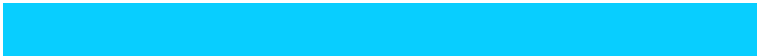
20.3446, 21.4041, 23.3091

Same Dimension

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



24.6297, 31.7628, 58.2594



40.1034, 51.1847, 102.3737



14.3217, 11.1470, 54.8234



10.7596, 11.6932, 13.6074



14.6859, 18.7657, 37.5925



0.7425, 0.9828, 1.7957

Inverse Universe

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



30.8657, 16.1464, 37.5672



52.4063, 25.8594, 60.3211



34.5463, 33.9603, 6.5692



10.9887, 10.7789, 12.9236



19.2121, 9.4344, 22.1245



0.9335, 0.4562, 1.1729

Previews

White Background



This preview shows how the XYZ color 24.6286, 31.7617, 58.2586 looks on a white background.

Color Contrast Check

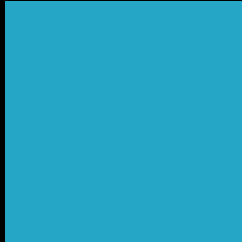
Large Text (above 18pt) WCAG AA × Fail

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 24.6286, 31.7617, 58.2586 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 24.6286, 31.7617, 58.2586

Background



This preview shows how black text looks on a background with the XYZ color 24.6286, 31.7617, 58.2586.

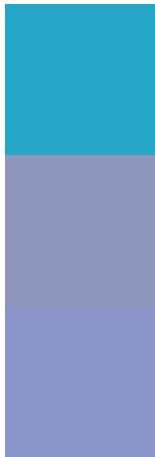


This preview shows how white text looks on a background with the XYZ color 24.6286, 31.7617,

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

24.6286, 31.7617, 58.2586

Protanopia

31.2037, 31.2402, 51.3991

Deuteranopia

32.0556, 31.2481, 60.2191



Tritanopia

22.7974, 31.8389, 49.1999

Trichromacy



Original Color

24.6286, 31.7617, 58.2586

Protanomaly

27.1181, 30.5418, 53.7561

Deuteranomaly

27.7434, 30.4845, 59.6802

Tritanomaly

23.4106, 31.8067, 52.4824

Monochromacy



Original Color

24.6286, 31.7617, 58.2586

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.8194, 24.8545, 34.7104

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6286, 31.7617, 58.2586 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(38, 166, 198)` looks like.

```
.text, #text, p{  
    color:rgb(38, 166, 198)  
}
```

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(38, 166, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 166, 198) }
```

Border

The CSS property to change the border of an element to XYZ 24.6286, 31.7617, 58.2586 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(38, 166, 198) }
```


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

```
.border{ border-color:rgb(38, 166, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 166, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 166, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 166, 198);  
box-shadow:4px 4px 4px 4px rgb(38, 166,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6286, 31.7617, 58.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 166, 198) }
```

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

```
.background{ background-color: rgb(38, 166,  
198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor