

Converting Colors

XYZ(21.8659, 31.4494, 63.9527)

Have a look what the booklet for
XYZ(21.8659, 31.4494, 63.9527)
contains.

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Color

**XYZ(25.8254, 33.6308,
64.1617)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABCF
RGB	0, 171, 207
RGB Percent	0%, 67%, 81%
CMY	0.9998, 0.3294, 0.1882
CMYK	1.00, 0.17, 0.00, 0.19
HSL	190°, 100%, 41%
HSV	190°, 100%, 81%
XYZ	25.8254, 33.6308, 64.1617
YIQ	123.9750, -113.4720, -25.0560

Conversions

Conversions Part 2

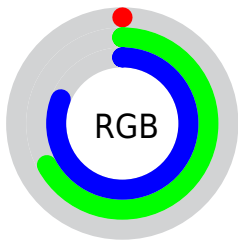
Format	Color
RYB	0, 94, 207
Decimal	43983
CIELab	64.67, -23.86, -28.59
CIELCh	65, 37.241, 230.152
Yxy	33.6308, 0.2089, 0.2721
Android (android.graphics.Color)	4278234063 (0xFF00ABCF)
YUV	123.9750, 40.9313, -108.7261
Hunter-Lab	57.9921, -21.9954, -25.0033

Details

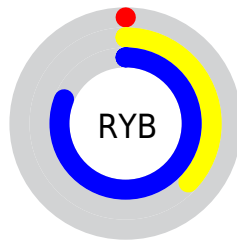
The XYZ color **25.8254, 33.6308, 64.1617** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.3650, 14.5303, 1.4165**, and the grayscale version is **19.0502, 20.0423, 21.8261**.

A 20% lighter version of the original color is **50.9986, 64.9830, 104.4628**, and **12.3466, 15.4936, 32.4768** is the 20% darker color. If you saturate the color by 10%, you get **25.8243, 33.6284, 64.1620**, and if you desaturate by 10%, it is **26.8194, 35.1673, 64.4066**.

Distribution



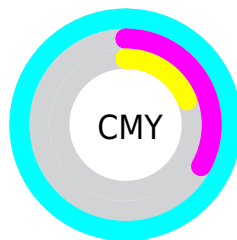
- Red (0%)
- Green (67%)
- Blue (81%)



- Red (0%)
- Yellow (37%)
- Blue (81%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8254, 33.6308, 64.1617 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 25.8254, 33.6308, 64.1617 by changing the saturation by 10% instead.

■ 25.8254, 33.6308,
64.1617

■ 25.8254, 33.6308,
64.1617

274.1964,
318.4827, 457.9968

■ 16.8251, 22.6101,
46.3346

■ 52.4265, 65.3591,
112.4455

■ 10.2044, 14.3059,
32.1594

■ 70.7579, 86.8355,
143.7393

■ 5.5980, 8.3337,
21.2175

■ 92.9304, 112.5660,
180.3591

■ 2.6405, 4.3092,
13.0903

■ 119.3093,
142.9349, 222.7234

■ 0.9666, 1.8480,
7.3593

■ 150.2600,
178.3266, 271.2508

■ 0.0000, 0.5168,
3.6059

186.1478,

■ 0.0000, 0.0000,

219.1255, 326.3598

1.4118

227.3382,
265.7161, 388.4690

■ 0.0000, 0.0000,
0.1509

■ 0.0000, 0.0000,
0.0000

■ 25.8254, 33.6308,
64.1617

■ 25.8254, 33.6308,
64.1617

■ 25.8243, 33.6284,
64.1620

■ 26.8194, 35.1673,
64.4066

■ 28.1560, 36.9076,
64.6720

■ 29.9465, 38.9098,
64.9641

■ 32.2505, 41.2049,
65.2857

■ 35.1183, 43.8189,
65.6391

■ 38.5941, 46.7750,
66.0265

■ 42.7176, 50.0937,
66.4497

■ 47.5251, 53.7940,
66.9106

■ 53.0502, 57.8933,
67.4106

Harmonies

Analogous

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



23.2601, 33.6308, 47.7155



25.8254, 33.6308, 64.1617



30.2404, 33.6308, 73.9173

Triad

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



25.8254, 33.6308, 64.1617



43.1898, 33.6308, 41.8830



28.5556, 33.6308, 15.3640

Complementary

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



25.8254, 33.6308, 64.1617



26.3650, 14.5303, 1.4165

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.



33.7541, 33.6308, 14.6104



25.8254, 33.6308, 64.1617



42.6090, 33.6308, 27.3906

Square

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



25.8254, 33.6308, 64.1617



40.5166, 33.6308, 58.8841



39.0080, 33.6308, 18.3596



24.7104, 33.6308, 20.8195

Rectangle

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



25.8254, 33.6308, 64.1617



33.8098, 33.6308, 73.8739



39.0080, 33.6308, 18.3596



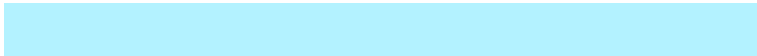
30.1887, 33.6308, 14.6251

Sweetspot

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



25.8265, 33.6320, 64.1625



68.1859, 80.0659, 106.4682



22.6103, 44.7451, 8.9996



13.9668, 16.6381, 22.7253



0.0000, 0.0000, 0.0000



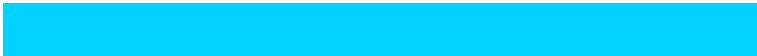
20.3446, 21.4041, 23.3091

Same Dimension

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



25.8265, 33.6320, 64.1625



41.2557, 53.6314, 102.7852



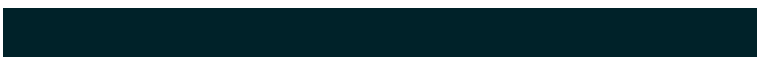
13.3934, 8.7657, 60.0182



11.9761, 13.0425, 15.1299



16.3320, 21.3107, 40.4451



0.9603, 1.2858, 2.2771

Inverse Universe

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



33.0838, 16.2070, 39.9137



52.9532, 25.9453, 63.6107



34.8236, 31.4475, 4.2360



12.2188, 11.9723, 14.4283



20.8744, 10.2226, 25.3084



1.1910, 0.5811, 1.5404

Previews

White Background



This preview shows how the XYZ color 25.8254, 33.6308, 64.1617 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 25.8254, 33.6308, 64.1617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

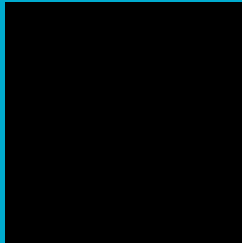
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.8254, 33.6308, 64.1617

Background



This preview shows how black text looks on a background with the XYZ color 25.8254, 33.6308, 64.1617.

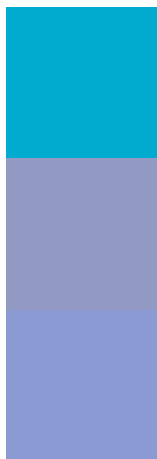


This preview shows how white text looks on a background with the XYZ color 25.8254, 33.6308,

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

25.8254, 33.6308, 64.1617

Protanopia

33.2600, 33.1623, 56.2777

Deuteranopia

34.1287, 33.3898, 66.2741



Tritanopia

23.9132, 33.4750, 52.2147

Trichromacy



Original Color

25.8254, 33.6308, 64.1617

Protanomaly

27.3938, 31.5923, 58.6869

Deuteranomaly

28.3235, 31.9186, 65.6409

Tritanomaly

24.4901, 33.4001, 56.1950

Monochromacy



Original Color

25.8254, 33.6308, 64.1617

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.5821, 23.0451, 34.0406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8254, 33.6308, 64.1617 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(0, 171, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 207)  
}
```

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(0, 171, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 207) }
```

Border

The CSS property to change the border of an element to XYZ 25.8254, 33.6308, 64.1617 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(0, 171, 207) }
```


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

```
.border{ border-color:rgb(0, 171, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8254, 33.6308, 64.1617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 207) }
```

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

```
.background{ background-color: rgb(0, 171,  
207) }
```

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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