

Converting Colors

XYZ(17.4388, 27.9543, 66.4039)

Have a look what the booklet for
XYZ(17.4388, 27.9543, 66.4039)
contains.

XYZ(25.3941, 31.9756, 66.4615)	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(25.3941, 31.9756,
66.4615)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6D3
RGB	0, 166, 211
RGB Percent	0%, 65%, 83%
CMY	0.9998, 0.3490, 0.1725
CMYK	1.00, 0.21, 0.00, 0.17
HSL	193°, 100%, 41%
HSV	193°, 100%, 83%
XYZ	25.3941, 31.9756, 66.4615
YIQ	121.4960, -113.3810, -21.1970

Conversions

Conversions Part 2

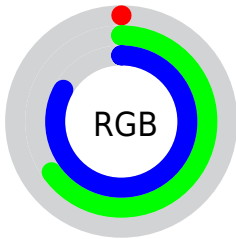
Format	Color
RYB	0, 93, 211
Decimal	42707
CIELab	63.32, -19.87, -32.89
CIElCh	63, 38.430, 238.858
Yxy	31.9756, 0.2051, 0.2582
Android (android.graphics.Color)	4278232787 (0xFF00A6D3)
YUV	121.4960, 44.1255, -106.5520
Hunter-Lab	56.5470, -18.7965, -30.1026

Details

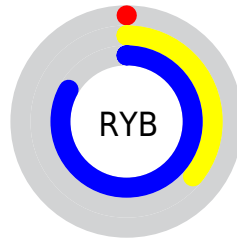
The XYZ color **25.3941, 31.9756, 66.4615** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **27.8048, 15.7297, 1.5721**, and the grayscale version is **18.2275, 19.1768, 20.8835**.

A 20% lighter version of the original color is **49.5000, 61.8165, 103.9306**, and **12.0181, 14.4349, 33.6053** is the 20% darker color. If you saturate the color by 10%, you get **25.3926, 31.9725, 66.4616**, and if you desaturate by 10%, it is **26.5397, 33.8027, 66.7544**.

Distribution



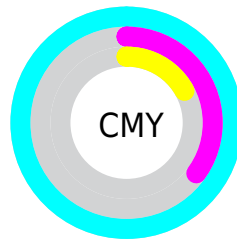
- Red (0%)
- Green (65%)
- Blue (83%)



- Red (0%)
- Yellow (36%)
- Blue (83%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (35%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3941, 31.9756, 66.4615 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 25.3941, 31.9756, 66.4615 by changing the saturation by 10% instead.

■ 25.3941, 31.9756,
66.4615

■ 25.3941, 31.9756,
66.4615

272.1065,
311.0081, 466.4748

■ 16.5012, 21.3429,
48.1883

■ 51.7342, 62.7728,
115.7818

■ 9.9726, 13.3749,
33.6150

■ 69.9120, 83.7061,
147.6659

■ 5.4429, 7.6872,
22.3230

■ 91.9156, 108.8417,
184.9241

■ 2.5468, 3.8954,
13.8938

■ 118.1102,
138.5640, 227.9749

■ 0.9189, 1.6152,
7.9090

■ 148.8613,
173.2574, 277.2368

■ 0.0000, 0.3678,
3.9498

184.5341,

■ 0.0000, 0.0000,

213.3063, 333.1284

1.5979

225.4941,
259.0950, 396.0682

■ 0.0000, 0.0000,
0.2893

■ 0.0000, 0.0000,
0.0000

■ 25.3941, 31.9756,
66.4615

■ 25.3941, 31.9756,
66.4615

■ 25.3926, 31.9725,
66.4616

■ 26.5397, 33.8027,
66.7544

■ 28.0539, 35.8622,
67.0722

■ 30.0518, 38.2145,
67.4209

■ 32.5963, 40.8923,
67.8036

■ 35.7403, 43.9233,
68.2230

■ 39.5302, 47.3318,
68.6811

■ 44.0077, 51.1399,
69.1802

■ 49.2110, 55.3674,
69.7219

■ 55.1754, 60.0330,
70.3081

Harmonies

Analogous

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



22.2710, 31.9756, 50.9892



25.3941, 31.9756, 66.4615



30.1881, 31.9756, 73.1754

Triad

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



25.3941, 31.9756, 66.4615



41.8323, 31.9756, 35.4042



25.7092, 31.9756, 14.9182

Complementary

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



25.3941, 31.9756, 66.4615



27.8048, 15.7297, 1.5721

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.



30.5965, 31.9756, 12.9442



25.3941, 31.9756, 66.4615



40.2797, 31.9756, 22.4850

Square

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



25.3941, 31.9756, 66.4615



40.0338, 31.9756, 52.3069



36.0057, 31.9756, 15.2532



22.4375, 31.9756, 21.7365

Rectangle

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



25.3941, 31.9756, 66.4615



33.8260, 31.9756, 70.6301



36.0057, 31.9756, 15.2532



27.1983, 31.9756, 13.7728

Sweetspot

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



25.3952, 31.9767, 66.4623



67.2984, 78.2909, 106.1724



23.7174, 46.7582, 9.9883



13.7526, 16.2097, 22.6539



0.0000, 0.0000, 0.0000



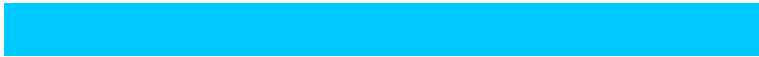
20.3446, 21.4041, 23.3091

Same Dimension

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



25.3952, 31.9767, 66.4623



38.8446, 48.8092, 101.9815



13.5548, 8.2958, 62.5155



11.9354, 12.9611, 15.1163



15.4014, 19.4493, 40.1349



0.9159, 1.1969, 2.2623

Inverse Universe

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



33.7479, 16.6034, 37.5034



51.7362, 25.4585, 57.2020



37.4099, 34.9399, 4.7738



12.1983, 11.9641, 14.3201



20.4046, 10.0347, 22.8347



1.1685, 0.5721, 1.4222

Previews

White Background



This preview shows how the XYZ color 25.3941, 31.9756, 66.4615 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 25.3941, 31.9756, 66.4615 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

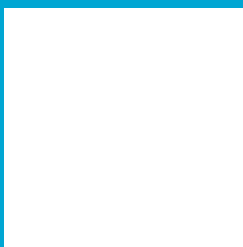
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.3941, 31.9756, 66.4615

Background



This preview shows how black text looks on a background with the XYZ color 25.3941, 31.9756, 66.4615.



This preview shows how white text looks on a background with the XYZ color 25.3941, 31.9756,

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

25.3941, 31.9756, 66.4615

Protanopia

32.0229, 31.7457, 58.4726

Deuteranopia

32.5383, 31.7853, 68.7102



Tritanopia

22.7352, 31.7948, 49.7385

Trichromacy



Original Color

25.3941, 31.9756, 66.4615



Protanomaly

26.6925, 30.1634, 60.9152



Deuteranomaly

27.5933, 30.4710, 68.0455



Tritanomaly

23.6283, 31.8555, 55.3555

Monochromacy



Original Color

25.3941, 31.9756, 66.4615



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

18.0631, 22.1298, 33.8913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3941, 31.9756, 66.4615 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, 166, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 211)  
}
```

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, 166, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 211) }
```

Border

The CSS property to change the border of an element to XYZ 25.3941, 31.9756, 66.4615 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, 166, 211) }
```


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

```
.border{ border-color:rgb(0, 166, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3941, 31.9756, 66.4615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 211) }
```

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

```
.background{ background-color: rgb(0, 166,  
211) }
```

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