

Converting Colors

XYZ(8.5019, 23.3718, 65.2088)

Have a look what the booklet for
XYZ(8.5019, 23.3718, 65.2088)
contains.

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Color

**XYZ(25.2691, 31.9256,
65.8032)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6D2
RGB	0, 166, 210
RGB Percent	0%, 65%, 82%
CMY	0.9998, 0.3490, 0.1765
CMYK	1.00, 0.21, 0.00, 0.18
HSL	193°, 100%, 41%
HSV	193°, 100%, 82%
XYZ	25.2691, 31.9256, 65.8032
YIQ	121.3820, -113.0600, -21.5080

Conversions

Conversions Part 2

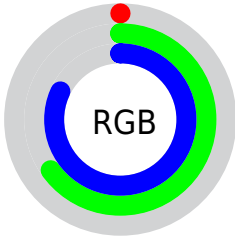
Format	Color
RYB	0, 93, 210
Decimal	42706
CIELab	63.28, -20.23, -32.40
CIELCh	63, 38.195, 238.027
Yxy	31.9256, 0.2054, 0.2596
Android (android.graphics.Color)	4278232786 (0xFF00A6D2)
YUV	121.3820, 43.6887, -106.4520
Hunter-Lab	56.5027, -19.0512, -29.4973

Details

The XYZ color **25.2691, 31.9256, 65.8032** 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 **27.4814, 15.5070, 1.5462**, and the grayscale version is **18.1920, 19.1394, 20.8428**.

A 20% lighter version of the original color is **49.3859, 61.7577, 103.9253**, and **11.9337, 14.4012, 33.1611** is the 20% darker color. If you saturate the color by 10%, you get **25.2676, 31.9225, 65.8033**, and if you desaturate by 10%, it is **26.3937, 33.7140, 66.0898**.

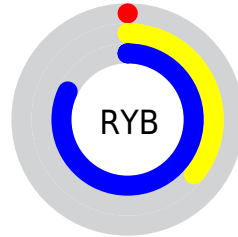
Distribution



Red (0%)

Green (65%)

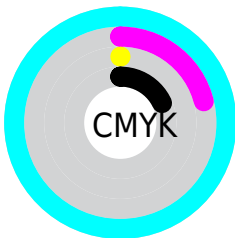
Blue (82%)



Red (0%)

Yellow (36%)

Blue (82%)

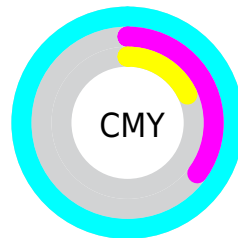


Cyan (100%)

Magenta (21%)

Yellow (0%)

Black (18%)



Cyan (100%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2691, 31.9256, 65.8032 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 25.2691, 31.9256, 65.8032 by changing the saturation by 10% instead.

■ 25.2691, 31.9256,
65.8032

■ 25.2691, 31.9256,
65.8032

271.4984,
310.7802, 464.0577

■ 16.4075, 21.3047,
47.6572

■ 51.5332, 62.6944,
114.8281

■ 9.9056, 13.3469,
33.1974

■ 69.6664, 83.6111,
146.5441

■ 5.3982, 7.6679,
22.0054

■ 91.6208, 108.7286,
183.6206

■ 2.5199, 3.8832,
13.6625

■ 117.7617,
138.4311, 226.4759

■ 0.9053, 1.6084,
7.7502

■ 148.4546,
173.1031, 275.5288

■ 0.0000, 0.3633,
3.8501

184.0648,

■ 0.0000, 0.0000,

213.1291, 331.1977

1.5435

224.9576,
258.8933, 393.9011

■ 0.0000, 0.0000,
0.2500

■ 0.0000, 0.0000,
0.0000

■ 25.2691, 31.9256,
65.8032

■ 25.2691, 31.9256,
65.8032

■ 25.2676, 31.9225,
65.8033

■ 26.3937, 33.7140,
66.0898

■ 27.8817, 35.7302,
66.4005

■ 29.8473, 38.0340,
66.7416

■ 32.3524, 40.6578,
67.1160

■ 35.4494, 43.6289,
67.5263

■ 39.1840, 46.9713,
67.9746

■ 43.5977, 50.7067,
68.4629

■ 48.7279, 54.8548,
68.9932

■ 54.6097, 59.4340,
69.5671

Harmonies

Analogous

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



22.2197, 31.9256, 50.3304



25.2691, 31.9256, 65.8032



29.9953, 31.9256, 72.7742

Triad

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



25.2691, 31.9256, 65.8032



41.6913, 31.9256, 35.7746



25.8100, 31.9256, 14.8619

Complementary

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



25.2691, 31.9256, 65.8032



27.4814, 15.5070, 1.5462

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.



30.6960, 31.9256, 13.0146



25.2691, 31.9256, 65.8032



40.2412, 31.9256, 22.7883

Square

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



25.2691, 31.9256, 65.8032



39.8198, 31.9256, 52.5876



36.0573, 31.9256, 15.4387



22.5056, 31.9256, 21.5018

Rectangle

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



25.2691, 31.9256, 65.8032



33.6032, 31.9256, 70.4859



36.0573, 31.9256, 15.4387



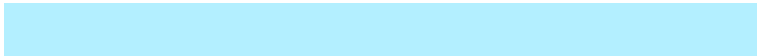
27.3033, 31.9256, 13.7626

Sweetspot

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



25.2702, 31.9267, 65.8040



67.3822, 78.4585, 106.2003



23.4661, 46.2615, 9.8869



13.7728, 16.2501, 22.6606



0.0000, 0.0000, 0.0000



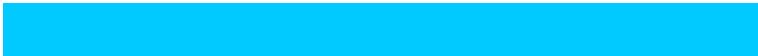
20.3446, 21.4041, 23.3091

Same Dimension

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



25.2702, 31.9267, 65.8040



39.0675, 49.2549, 102.0558



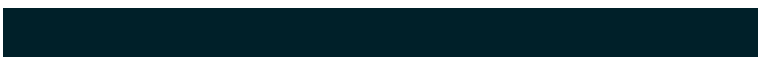
13.4131, 8.2125, 61.8516



11.9393, 12.9689, 15.1176



15.4875, 19.6215, 40.1635



0.9200, 1.2052, 2.2637

Inverse Universe

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



33.4623, 16.4561, 37.4901



51.8486, 25.5035, 57.7943



37.0151, 34.5743, 4.7241



12.2003, 11.9648, 14.3303



20.4481, 10.0521, 23.0636



1.1706, 0.5730, 1.4332

Previews

White Background



This preview shows how the XYZ color 25.2691, 31.9256, 65.8032 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 25.2691, 31.9256, 65.8032 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

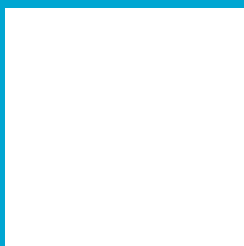
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2691, 31.9256, 65.8032

Background



This preview shows how black text looks on a background with the XYZ color 25.2691, 31.9256, 65.8032.

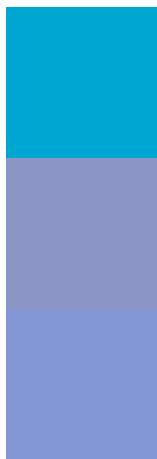


This preview shows how white text looks on a background with the XYZ color 25.2691, 31.9256,

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

25.2691, 31.9256, 65.8032

Protanopia

31.9146, 31.4654, 57.8174

Deuteranopia

32.5643, 31.8136, 68.0426

Trichromacy



Original Color

25.2691, 31.9256, 65.8032

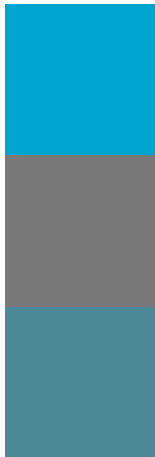
Protanomaly

26.6690, 30.1650, 60.2939

Deuteranomaly

27.4660, 30.4200, 67.3748

Monochromacy



Original Color

25.2691, 31.9256, 65.8032

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.7560, 21.7690, 33.4030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2691, 31.9256, 65.8032 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 210) }
```

Border

The CSS property to change the border of an element to XYZ 25.2691, 31.9256, 65.8032 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, 210) }
```

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

```
.border{ border-color:rgb(0, 166, 210) }
```

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, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
210) }
```


Background

The CSS property to change the background color of an element to XYZ 25.2691, 31.9256, 65.8032 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, 210) }
```

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

```
.background{ background-color: rgb(0, 166,  
210) }
```

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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