

Converting Colors

XYZ(8.2253, 23.1580, 66.9028)

Have a look what the booklet for
XYZ(8.2253, 23.1580, 66.9028)
contains.

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Color

**XYZ(25.6465, 32.0765,
67.7905)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6D5
RGB	0, 166, 213
RGB Percent	0%, 65%, 84%
CMY	0.9998, 0.3490, 0.1647
CMYK	1.00, 0.22, 0.00, 0.16
HSL	193°, 100%, 42%
HSV	193°, 100%, 84%
XYZ	25.6465, 32.0765, 67.7905
YIQ	121.7240, -114.0230, -20.5750

Conversions

Conversions Part 2

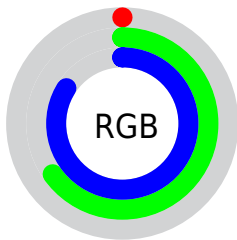
Format	Color
RYB	0, 93, 213
Decimal	42709
CIELab	63.41, -19.17, -33.87
CIELCh	63, 38.920, 240.491
Yxy	32.0765, 0.2043, 0.2556
Android (android.graphics.Color)	4278232789 (0xFF00A6D5)
YUV	121.7240, 44.9991, -106.7519
Hunter-Lab	56.6361, -18.2832, -31.3218

Details

The XYZ color **25.6465, 32.0765, 67.7905** 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 **28.4599, 16.1839, 1.6254**, and the grayscale version is **18.2993, 19.2523, 20.9658**.

A 20% lighter version of the original color is **49.5000, 61.8165, 103.9306**, and **12.1889, 14.5032, 34.5047** is the 20% darker color. If you saturate the color by 10%, you get **25.6447, 32.0727, 67.7905**, and if you desaturate by 10%, it is **26.8341, 33.9812, 68.0962**.

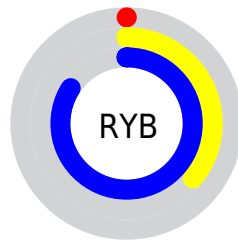
Distribution



Red (0%)

Green (65%)

Blue (84%)



Red (0%)

Yellow (36%)

Blue (84%)

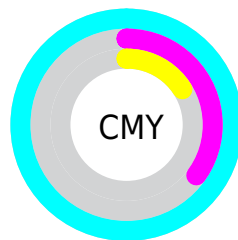


Cyan (100%)

Magenta (22%)

Yellow (0%)

Black (16%)



Cyan (100%)

Magenta (35%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6465, 32.0765, 67.7905 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 25.6465, 32.0765, 67.7905 by changing the saturation by 10% instead.

■ 25.6465, 32.0765,
67.7905

■ 25.6465, 32.0765,
67.7905

273.3311,
311.4676, 471.3313

■ 16.6907, 21.4199,
49.2617

■ 52.1395, 62.9310,
117.7038

■ 10.1081, 13.4313,
34.4600

■ 70.4074, 83.8977,
149.9253

■ 5.5335, 7.7262,
22.9670

■ 92.5099, 109.0700,
187.5482

■ 2.6015, 3.9203,
14.3641

■ 118.8126,
138.8321, 230.9909

■ 0.9467, 1.6291,
8.2327

■ 149.6807,
173.5685, 280.6720

■ 0.0000, 0.3771,
4.1543

185.4795,

■ 0.0000, 0.0000,

213.6637, 337.0101

1.7104

226.5746,
259.5019, 400.4237

■ 0.0000, 0.0000,
0.3678

■ 0.0000, 0.0000,
0.0000

■ 25.6465, 32.0765,
67.7905

■ 25.6465, 32.0765,
67.7905

■ 25.6447, 32.0727,
67.7905

■ 26.8341, 33.9812,
68.0962

■ 28.4010, 36.1278,
68.4280

■ 30.4644, 38.5777,
68.7921

■ 33.0885, 41.3645,
69.1917

■ 36.3276, 44.5165,
69.6294

■ 40.2292, 48.0588,
70.1075

■ 44.8362, 52.0139,
70.6281

■ 50.1875, 56.4023,
71.1931

■ 56.3193, 61.2431,
71.8042

Harmonies

Analogous

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



22.3751, 32.0765, 52.3246



25.6465, 32.0765, 67.7905



30.5770, 32.0765, 73.9804

Triad

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



25.6465, 32.0765, 67.7905



42.1153, 32.0765, 34.6710



25.5091, 32.0765, 15.0330

Complementary

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



25.6465, 32.0765, 67.7905



28.4599, 16.1839, 1.6254

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.



30.3986, 32.0765, 12.8054



25.6465, 32.0765, 67.7905



40.3568, 32.0765, 21.8873

Square

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



25.6465, 32.0765, 67.7905



40.4644, 32.0765, 51.7475



35.9029, 32.0765, 14.8879



22.3026, 32.0765, 22.2129

Rectangle

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



25.6465, 32.0765, 67.7905



34.2755, 32.0765, 70.9169



35.9029, 32.0765, 14.8879



26.9899, 32.0765, 13.7948

Sweetspot

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



25.6476, 32.0776, 67.7913



67.1332, 77.9606, 106.1174



24.2922, 47.7882, 10.5486



13.7128, 16.1302, 22.6406



0.0000, 0.0000, 0.0000



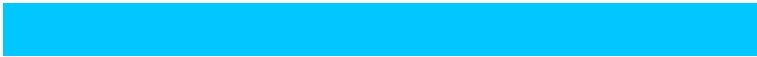
20.3446, 21.4041, 23.3091

Same Dimension

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



25.6476, 32.0776, 67.7913



38.4088, 47.9375, 101.8363



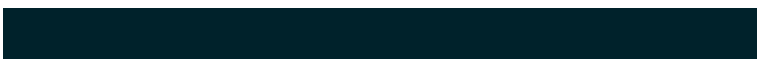
13.6475, 8.0773, 63.7913



12.5489, 13.6211, 15.9053



15.7433, 19.7484, 41.4352



1.0083, 1.3086, 2.5188

Inverse Universe

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



34.3246, 16.9008, 37.5303



51.5162, 25.3705, 56.0435



38.7779, 36.8199, 5.0648



12.8302, 12.5836, 15.0463



21.0054, 10.3385, 23.1300



1.2966, 0.6354, 1.5513

Previews

White Background



This preview shows how the XYZ color 25.6465, 32.0765, 67.7905 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 25.6465, 32.0765, 67.7905 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

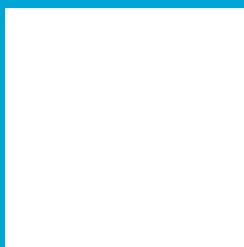
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.6465, 32.0765, 67.7905

Background



This preview shows how black text looks on a background with the XYZ color 25.6465, 32.0765, 67.7905.

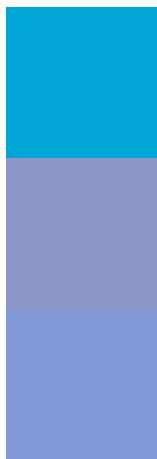


This preview shows how white text looks on a background with the XYZ color 25.6465, 32.0765,

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

25.6465, 32.0765, 67.7905

Protanopia

32.2567, 31.8392, 59.7038

Deuteranopia

32.5145, 31.7582, 69.3820



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



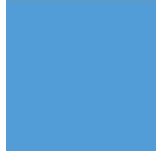
Original Color

25.6465, 32.0765, 67.7905



Protanomaly

26.9324, 30.2594, 62.1788



Deuteranomaly

27.6339, 30.4771, 68.7162



Tritanomaly

23.9256, 32.2710, 56.0068

Monochromacy



Original Color

25.6465, 32.0765, 67.7905



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

18.1468, 22.1632, 34.3318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6465, 32.0765, 67.7905 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 213) }
```

Border

The CSS property to change the border of an element to XYZ 25.6465, 32.0765, 67.7905 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, 213) }
```


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

```
.border{ border-color:rgb(0, 166, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6465, 32.0765, 67.7905 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, 213) }
```

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

```
.background{ background-color: rgb(0, 166,  
213) }
```

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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