

Converting Colors

XYZ(17.3229, 27.9353, 67.3137)

Have a look what the booklet for
XYZ(17.3229, 27.9353, 67.3137)
contains.

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Color

**XYZ(25.8290, 32.4415,
67.8513)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00A7D5 |
| RGB | 0, 167, 213 |
| RGB Percent | 0%, 65%, 84% |
| CMY | 0.9998, 0.3451, 0.1647 |
| CMYK | 1.00, 0.22, 0.00, 0.16 |
| HSL | 193°, 100%, 42% |
| HSV | 193°, 100%, 84% |
| XYZ | 25.8290, 32.4415, 67.8513 |
| YIQ | 122.3110, -114.2980, -21.0980 |

Conversions

Conversions Part 2

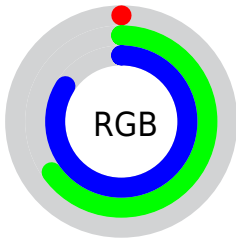
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 94, 213 |
| Decimal | 42965 |
| CIELab | 63.71, -19.70, -33.41 |
| CIELCh | 64, 38.781, 239.472 |
| Yxy | 32.4415, 0.2048, 0.2572 |
| Android (android.graphics.Color) | 4278233045 (0xFF00A7D5) |
| YUV | 122.3110, 44.7097, -107.2667 |
| Hunter-Lab | 56.9574, -18.7295, -30.7598 |

Details

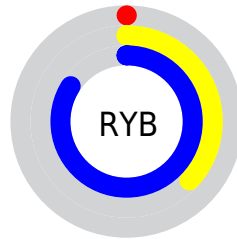
The XYZ color **25.8290, 32.4415, 67.8513** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **28.4204, 16.1048, 1.6122**, and the grayscale version is **18.4913, 19.4543, 21.1857**.

A 20% lighter version of the original color is **49.7648, 62.3461, 104.0189**, and **12.3023, 14.7301, 34.5425** is the 20% darker color. If you saturate the color by 10%, you get **25.8272, 32.4377, 67.8513**, and if you desaturate by 10%, it is **27.0043, 34.3216, 68.1529**.

Distribution



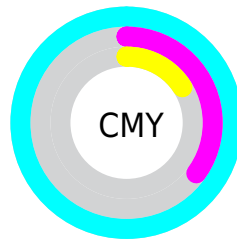
- Red (0%)
- Green (65%)
- Blue (84%)



- Red (0%)
- Yellow (37%)
- 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 25.8290, 32.4415, 67.8513 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 25.8290, 32.4415, 67.8513 by changing the saturation by 10% instead.

■ 25.8290, 32.4415,
67.8513

■ 25.8290, 32.4415,
67.8513

274.2138,
313.1255, 471.5527

■ 16.8278, 21.6989,
49.3108

■ 52.4322, 63.5026,
117.7916

■ 10.2063, 13.6359,
34.4988

■ 70.7649, 84.5899,
150.0285

■ 5.5993, 7.8678,
22.9966

■ 92.9388, 109.8943,
187.6680

■ 2.6413, 4.0105,
14.3857

■ 119.3193,
139.8001, 231.1286

■ 0.9671, 1.6794,
8.2476

■ 150.2716,
174.6917, 280.8288

■ 0.0000, 0.4103,
4.1638

186.1613,

■ 0.0000, 0.0000,

214.9536, 337.1872

1.7156

227.3535,
260.9700, 400.6223

■ 0.0000, 0.0000,
0.3714

■ 0.0000, 0.0000,
0.0000

■ 25.8290, 32.4415,
67.8513

■ 25.8290, 32.4415,
67.8513

■ 25.8272, 32.4377,
67.8513

■ 27.0043, 34.3216,
68.1529

■ 28.5577, 36.4411,
68.4801

■ 30.6062, 38.8613,
68.8393

■ 33.2142, 41.6157,
69.2335

■ 36.4358, 44.7328,
69.6654

■ 40.3186, 48.2374,
70.1372

■ 44.9053, 52.1520,
70.6510

■ 50.2350, 56.4972,
71.2088

■ 56.3438, 61.2920,
71.8124

Harmonies

Analogous

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



22.6082, 32.4415, 52.1736



25.8290, 32.4415, 67.8513



30.7386, 32.4415, 74.4584

Triad

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



25.8290, 32.4415, 67.8513



42.4989, 32.4415, 35.5995



25.9774, 32.4415, 15.1610

Complementary

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



25.8290, 32.4415, 67.8513



28.4204, 16.1048, 1.6122

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.



30.9310, 32.4415, 13.0646



25.8290, 32.4415, 67.8513



40.8478, 32.4415, 22.5585

Square

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



25.8290, 32.4415, 67.8513



40.7319, 32.4415, 52.7949



36.4486, 32.4415, 15.3183



22.6865, 32.4415, 22.2065

Rectangle

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



25.8290, 32.4415, 67.8513



34.4480, 32.4415, 71.6838



36.4486, 32.4415, 15.3183



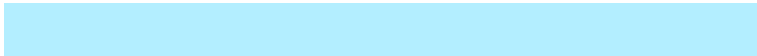
27.4833, 32.4415, 13.9652

Sweetspot

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



25.8301, 32.4426, 67.8521



67.2380, 78.1702, 106.1523



24.2248, 47.7612, 10.1936



13.7381, 16.1806, 22.6491



0.0000, 0.0000, 0.0000



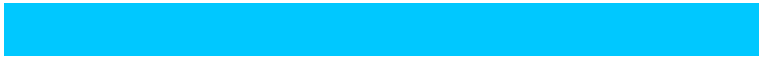
20.3446, 21.4041, 23.3091

Same Dimension

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



25.8301, 32.4426, 67.8521



38.6849, 48.4897, 101.9283



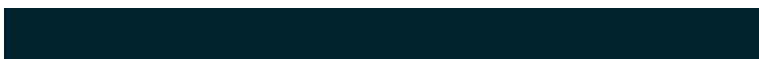
13.8411, 8.4646, 63.8558



12.5540, 13.6314, 15.9070



15.8537, 19.9692, 41.4720



1.0141, 1.3202, 2.5207

Inverse Universe

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



34.4167, 16.9376, 38.0154



51.6555, 25.4262, 56.7774



38.2073, 35.6786, 4.8745



12.8328, 12.5846, 15.0598



21.0611, 10.3608, 23.4235



1.2995, 0.6366, 1.5667

Previews

White Background



This preview shows how the XYZ color 25.8290, 32.4415, 67.8513 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 25.8290, 32.4415, 67.8513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

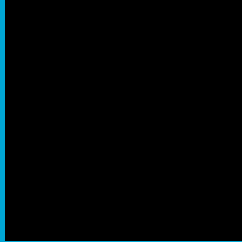
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.8290, 32.4415, 67.8513

Background



This preview shows how black text looks on a background with the XYZ color 25.8290, 32.4415, 67.8513.

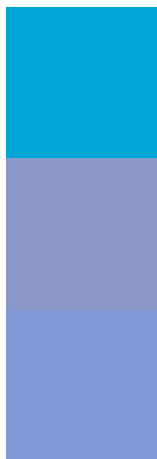


This preview shows how white text looks on a background with the XYZ color 25.8290, 32.4415,

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

25.8290, 32.4415, 67.8513

Protanopia

32.5861, 32.2490, 59.7655

Deuteranopia

33.1127, 32.2915, 70.1333



Tritanopia

23.2146, 32.5865, 50.4137

Trichromacy



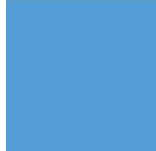
Original Color

25.8290, 32.4415, 67.8513



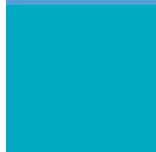
Protanomaly

27.1962, 30.6456, 62.2394



Deuteranomaly

28.0189, 30.9108, 69.4554



Tritanomaly

24.2251, 32.6896, 56.6627

Monochromacy



Original Color

25.8290, 32.4415, 67.8513



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 25.8290, 32.4415, 67.8513 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, 167, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 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, 167, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 213) }
```

Border

The CSS property to change the border of an element to XYZ 25.8290, 32.4415, 67.8513 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, 167, 213) }
```


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

```
.border{ border-color:rgb(0, 167, 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, 167, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8290, 32.4415, 67.8513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 213) }
```

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

```
.background{ background-color: rgb(0, 167,  
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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