

Converting Colors

XYZ(24.5763, 36.7093, 66.2715)

Have a look what the booklet for
XYZ(24.5763, 36.7093, 66.2715)
contains.

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Color

**XYZ(28.6491, 38.8844,
66.3171)**

Conversions

Conversions Part 1

Format	Color
Hex	00B8D1
RGB	0, 184, 209
RGB Percent	0%, 72%, 82%
CMY	0.9998, 0.2784, 0.1804
CMYK	1.00, 0.12, 0.00, 0.18
HSL	187°, 100%, 41%
HSV	187°, 100%, 82%
XYZ	28.6491, 38.8844, 66.3171
YIQ	131.8340, -117.6890, -31.2330

Conversions

Conversions Part 2

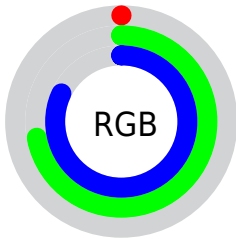
Format	Color
RYB	0, 98, 209
Decimal	47313
CIELab	68.67, -29.70, -23.55
CIELCh	69, 37.908, 218.414
Yxy	38.8844, 0.2140, 0.2905
Android (android.graphics.Color)	4278237393 (0xFF00B8D1)
YUV	131.8340, 38.0428, -115.6184
Hunter-Lab	62.3574, -27.1164, -19.4048

Details

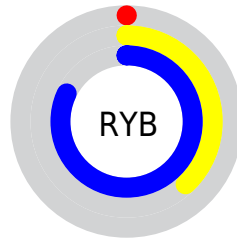
The XYZ color **28.6491, 38.8844, 66.3171** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **26.6437, 14.2529, 1.3482**, and the grayscale version is **21.7757, 22.9098, 24.9487**.

A 20% lighter version of the original color is **54.9190, 72.4832, 105.7039**, and **14.0327, 18.5992, 33.8607** is the 20% darker color. If you saturate the color by 10%, you get **28.6486, 38.8831, 66.3176**, and if you desaturate by 10%, it is **29.4820, 40.0924, 66.5071**.

Distribution



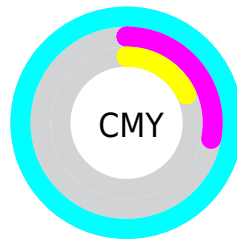
- Red (0%)
- Green (72%)
- Blue (82%)



- Red (0%)
- Yellow (38%)
- Blue (82%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (28%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6491, 38.8844, 66.3171 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 28.6491, 38.8844, 66.3171 by changing the saturation by 10% instead.

■ 28.6491, 38.8844,
66.3171

■ 28.6491, 38.8844,
66.3171

287.5799,
341.3988, 465.9452

■ 18.9585, 26.6698,
48.0718

■ 56.9205, 73.4617,
115.5727

■ 11.7441, 17.3254,
33.5233

■ 76.2321, 96.5932,
147.4200

■ 6.6406, 10.4668,
22.2533

■ 99.4813, 124.1324,
184.6384

■ 3.2827, 5.7095,
13.8430

■ 127.0335,
156.4638, 227.6464

■ 1.3050, 2.6693,
7.8741

■ 159.2541,
193.9717, 276.8625

■ 0.1869, 0.9616,
3.9278

196.5085,

■ 0.0000, 0.0000,

237.0406, 332.7053

1.5858

239.1619,
286.0548, 395.5934

■ 0.0000, 0.0000,
0.2807

■ 0.0000, 0.0000,
0.0000

■ 28.6491, 38.8844,
66.3171

■ 28.6491, 38.8844,
66.3171

■ 28.6486, 38.8831,
66.3176

■ 29.4820, 40.0924,
66.5071

■ 30.6557, 41.4892,
66.7149

■ 32.2835, 43.1337,
66.9465

■ 34.4263, 45.0576,
67.2049

■ 37.1356, 47.2875,
67.4925

■ 40.4565, 49.8466,
67.8114

■ 44.4297, 52.7560,
68.1636

■ 49.0922, 56.0348,
68.5507

■ 54.4781, 59.7008,
68.9745

Harmonies

Analogous

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



26.6962, 38.8844, 47.3507



28.6491, 38.8844, 66.3171



32.8814, 38.8844, 81.0106

Triad

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



28.6491, 38.8844, 66.3171



48.7353, 38.8844, 55.6689



35.2987, 38.8844, 17.3742

Complementary

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



28.6491, 38.8844, 66.3171



26.6437, 14.2529, 1.3482

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.



41.3594, 38.8844, 18.4781



28.6491, 38.8844, 66.3171



49.5621, 38.8844, 37.6931

Square

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



28.6491, 38.8844, 66.3171



44.5862, 38.8844, 73.7972



46.7367, 38.8844, 24.9733



30.2544, 38.8844, 21.3966

Rectangle

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



28.6491, 38.8844, 66.3171



36.6407, 38.8844, 84.6083



46.7367, 38.8844, 24.9733



37.2780, 38.8844, 17.1858

Sweetspot

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



28.6504, 38.8858, 66.3181



69.4345, 82.5631, 106.8844



22.9707, 45.6696, 8.4920



14.2690, 17.2425, 22.8260



0.0000, 0.0000, 0.0000



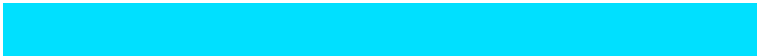
20.3446, 21.4041, 23.3091

Same Dimension

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



28.6504, 38.8858, 66.3181



44.8381, 60.7963, 103.9794



14.3888, 10.3627, 61.5642



12.0326, 13.1555, 15.1487



17.7117, 24.0699, 40.9049



1.0252, 1.4155, 2.2988

Inverse Universe

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



34.9473, 17.0173, 46.7915



54.7614, 26.6686, 73.1328



34.1325, 29.2305, 3.8445



12.2474, 11.9837, 14.5784



21.5708, 10.5011, 28.9754



1.2237, 0.5942, 1.7128

Previews

White Background



This preview shows how the XYZ color 28.6491, 38.8844, 66.3171 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 28.6491, 38.8844, 66.3171 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 28.6491, 38.8844, 66.3171

Background



This preview shows how black text looks on a background with the XYZ color 28.6491, 38.8844, 66.3171.



This preview shows how white text looks on a background with the XYZ color 28.6491, 38.8844,

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

28.6491, 38.8844, 66.3171

Protanopia

37.9161, 38.3694, 57.6322

Deuteranopia

39.3353, 38.3185, 68.9413



Tritanopia

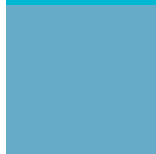
27.7743, 38.8681, 60.6820

Trichromacy



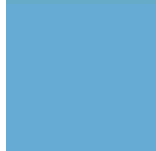
Original Color

28.6491, 38.8844, 66.3171



Protanomaly

30.7746, 36.5469, 60.6906



Deuteranomaly

31.8134, 36.6460, 67.6840



Tritanomaly

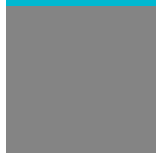
28.1285, 39.0097, 62.5470

Monochromacy



Original Color

28.6491, 38.8844, 66.3171



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

21.0679, 26.5561, 37.2731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6491, 38.8844, 66.3171 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, 184, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 209)  
}
```

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, 184, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 209) }
```

Border

The CSS property to change the border of an element to XYZ 28.6491, 38.8844, 66.3171 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, 184, 209) }
```


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

```
.border{ border-color:rgb(0, 184, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6491, 38.8844, 66.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 209) }
```

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

```
.background{ background-color: rgb(0, 184,  
209) }
```

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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