

Converting Colors

XYZ(29.1051, 39.7406, 66.4583)

Have a look what the booklet for
XYZ(29.1051, 39.7406, 66.4583)
contains.

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Color

**XYZ(29.1051, 39.7406,
66.4583)**

Conversions

Conversions Part 1

Format	Color
Hex	03BAD1
RGB	3, 186, 209
RGB Percent	1%, 73%, 82%
CMY	0.9880, 0.2706, 0.1804
CMYK	0.99, 0.11, 0.00, 0.18
HSL	187°, 97%, 42%
HSV	187°, 99%, 82%
XYZ	29.1051, 39.7406, 66.4583
YIQ	133.9050, -116.4510, -31.6430

Conversions

Conversions Part 2

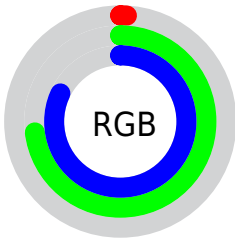
Format	Color
RYB	3, 100, 209
Decimal	244433
CIELab	69.28, -30.59, -22.61
CIELCh	69, 38.041, 216.468
Yxy	39.7406, 0.2151, 0.2937
Android (android.graphics.Color)	4278434513 (0xFF03BAD1)
YUV	133.9050, 37.0218, -114.8037
Hunter-Lab	63.0401, -27.9083, -18.3767

Details

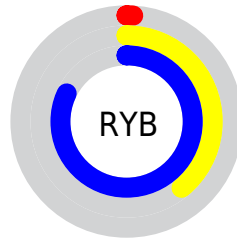
The XYZ color **29.1051, 39.7406, 66.4583** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **26.6821, 14.3032, 1.4421**, and the grayscale version is **22.5302, 23.7036, 25.8132**.

A 20% lighter version of the original color is **55.6278, 73.7275, 105.9067**, and **14.1677, 18.8691, 33.9057** is the 20% darker color. If you saturate the color by 10%, you get **28.9965, 39.5789, 66.4336**, and if you desaturate by 10%, it is **29.9395, 40.9074, 66.6403**.

Distribution



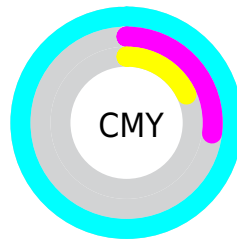
- Red (1%)
- Green (73%)
- Blue (82%)



- Red (1%)
- Yellow (39%)
- Blue (82%)



- Cyan (99%)
- Magenta (11%)
- Yellow (0%)
- Black (18%)



- Cyan (99%)
- Magenta (27%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1051, 39.7406, 66.4583 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 29.1051, 39.7406, 66.4583 by changing the saturation by 10% instead.

■ 29.1051, 39.7406,
66.4583

■ 29.1051, 39.7406,
66.4583

289.6958,
345.0290, 466.4630

■ 19.3050, 27.3364,
48.1857

■ 57.6404, 74.7683,
115.7771

■ 11.9962, 17.8260,
33.6129

■ 77.1064, 98.1606,
147.6604

■ 6.8133, 10.8251,
22.3215

■ 100.5250,
125.9844, 184.9178

■ 3.3909, 5.9494,
13.8927

■ 128.2617,
158.6240, 227.9676

■ 1.3637, 2.8143,
7.9082

■ 160.6818,
196.4639, 277.2285

■ 0.2301, 1.0356,
3.9493

198.1506,

■ 0.0000, 0.0000,

239.8884, 333.1190

1.5976

241.0334,
289.2820, 396.0577

■ 0.0000, 0.0000,
0.2891

■ 0.0000, 0.0000,
0.0000

■ 29.1051, 39.7406,
66.4583

■ 29.1051, 39.7406,
66.4583

■ 28.9965, 39.5789,
66.4336

■ 29.9395, 40.9074,
66.6403

■ 31.1434, 42.2760,
66.8410

■ 32.8098, 43.8950,
67.0657

■ 34.9978, 45.7950,
67.3171

■ 37.7580, 48.0021,
67.5976

■ 41.1348, 50.5393,
67.9094

■ 45.1680, 53.4271,
68.2542

■ 49.8944, 56.6846,
68.6339

■ 55.3478, 60.3292,
69.0499

Harmonies

Analogous

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



27.2776, 39.7406, 47.1651



29.1051, 39.7406, 66.4583



33.2812, 39.7406, 81.9416

Triad

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



29.1051, 39.7406, 66.4583



49.5756, 39.7406, 58.1119



36.4667, 39.7406, 17.7442

Complementary

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



29.1051, 39.7406, 66.4583



26.6821, 14.3032, 1.4421

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.



42.6502, 39.7406, 19.2062



29.1051, 39.7406, 66.4583



50.6630, 39.7406, 39.5969

Square

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



29.1051, 39.7406, 66.4583



45.1795, 39.7406, 76.2865



48.0089, 39.7406, 26.2219



31.2224, 39.7406, 21.4927

Rectangle

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



29.1051, 39.7406, 66.4583



37.0544, 39.7406, 86.1903



48.0089, 39.7406, 26.2219



38.4993, 39.7406, 17.6616

Sweetspot

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



29.1064, 39.7420, 66.4593



69.6200, 82.9342, 106.9463



23.0002, 45.6857, 8.4510



14.3140, 17.3325, 22.8410



0.0000, 0.0000, 0.0000



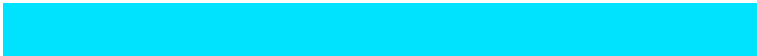
20.3446, 21.4041, 23.3091

Same Dimension

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



29.1064, 39.7420, 66.4593



45.3890, 61.8980, 104.1630



14.8295, 11.1884, 61.7003



12.0409, 13.1722, 15.1515



17.9235, 24.4936, 40.9756



1.0350, 1.4353, 2.3020

Inverse Universe

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



35.1911, 17.1670, 47.9145



55.0395, 26.7798, 74.5969



33.8521, 28.6433, 3.8321



12.2516, 11.9854, 14.6005



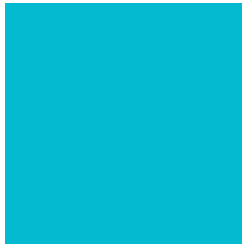
21.6777, 10.5439, 29.5385



1.2287, 0.5962, 1.7390

Previews

White Background



This preview shows how the XYZ color 29.1051, 39.7406, 66.4583 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 29.1051, 39.7406, 66.4583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

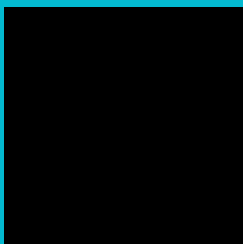
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

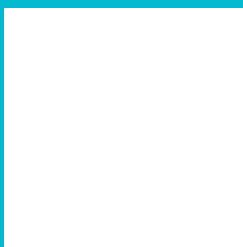
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1051, 39.7406, 66.4583

Background



This preview shows how black text looks on a background with the XYZ color 29.1051, 39.7406, 66.4583.



This preview shows how white text looks on a background with the XYZ color 29.1051, 39.7406,

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

29.1051, 39.7406, 66.4583

Protanopia

38.6828, 39.3043, 57.7722

Deuteranopia

40.0899, 39.2389, 69.0792



Tritanopia

28.4310, 39.8049, 62.0618

Trichromacy



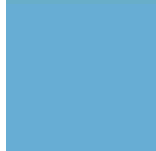
Original Color

29.1051, 39.7406, 66.4583



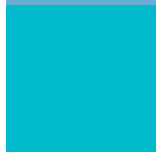
Protanomaly

31.3876, 37.4322, 60.8292



Deuteranomaly

32.4208, 37.5242, 67.8215



Tritanomaly

28.8023, 39.9549, 63.9516

Monochromacy



Original Color

29.1051, 39.7406, 66.4583



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.6620, 27.3341, 37.8525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1051, 39.7406, 66.4583 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(3, 186, 209)` looks like.

```
.text, #text, p{  
    color:rgb(3, 186, 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(3, 186, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 186, 209) }
```

Border

The CSS property to change the border of an element to XYZ 29.1051, 39.7406, 66.4583 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(3, 186, 209) }
```


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

```
.border{ border-color:rgb(3, 186, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 186, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 186, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 186, 209);  
box-shadow:4px 4px 4px 4px rgb(3, 186,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1051, 39.7406, 66.4583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 186, 209) }
```

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

```
.background{ background-color: rgb(3, 186,  
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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