

Converting Colors

XYZ(29.3733, 40.5513, 64.6716)

Have a look what the booklet for
XYZ(29.3733, 40.5513, 64.6716)
contains.

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Color

**XYZ(29.3733, 40.5513,
64.6716)**

Conversions

Conversions Part 1

Format	Color
Hex	12BCCE
RGB	18, 188, 206
RGB Percent	7%, 74%, 81%
CMY	0.9293, 0.2627, 0.1922
CMYK	0.91, 0.09, 0.00, 0.19
HSL	186°, 84%, 44%
HSV	186°, 91%, 81%
XYZ	29.3733, 40.5513, 64.6716
YIQ	139.2220, -107.0980, -30.4420

Conversions

Conversions Part 2

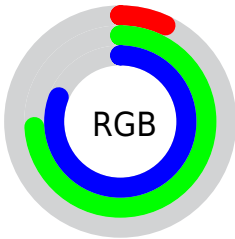
Format	Color
RYB	18, 107, 206
Decimal	1227982
CIELab	69.86, -32.04, -20.08
CIELCh	70, 37.816, 212.078
Yxy	40.5513, 0.2182, 0.3013
Android (android.graphics.Color)	4279418062 (0xFF12BCCE)
YUV	139.2220, 32.9216, -106.3117
Hunter-Lab	63.6799, -29.1041, -15.6374

Details

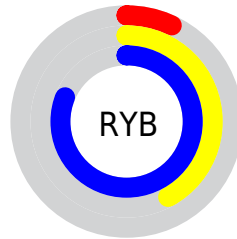
The XYZ color **29.3733, 40.5513, 64.6716** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **26.1953, 14.4295, 1.9782**, and the grayscale version is **24.5371, 25.8149, 28.1125**.

A 20% lighter version of the original color is **56.8867, 75.7130, 106.2236**, and **14.1926, 19.3172, 32.6863** is the 20% darker color. If you saturate the color by 10%, you get **28.7578, 39.6904, 64.5387**, and if you desaturate by 10%, it is **30.3717, 41.6967, 64.8408**.

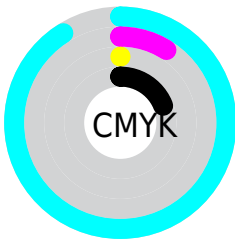
Distribution



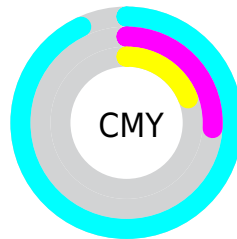
- Red (7%)
- Green (74%)
- Blue (81%)



- Red (7%)
- Yellow (42%)
- Blue (81%)



- Cyan (91%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)



- Cyan (93%)
- Magenta (26%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3733, 40.5513, 64.6716 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 29.3733, 40.5513, 64.6716 by changing the saturation by 10% instead.

■ 29.3733, 40.5513,
64.6716

■ 29.3733, 40.5513,
64.6716

290.9348,
348.4418, 459.8848

■ 19.5091, 27.9686,
46.7452

■ 58.0631, 76.0023,
113.1863

■ 12.1449, 18.3020,
32.4814

■ 77.6195, 99.6394,
144.6117

■ 6.9153, 11.1670,
21.4616

■ 101.1372,
127.7301, 181.3739

■ 3.4551, 6.1793,
13.2673

■ 128.9817,
160.6589, 223.8913

■ 1.3987, 2.9544,
7.4800

■ 161.5184,
198.8100, 272.5826

■ 0.2553, 1.1080,
3.6811

199.1126,

■ 0.0000, 0.0000,

242.5679, 327.8662

1.4521

242.1296,
292.3171, 390.1608

■ 0.0000, 0.0000,
0.1818

■ 0.0000, 0.0000,
0.0000

■ 29.3733, 40.5513,
64.6716

■ 29.3733, 40.5513,
64.6716

■ 28.7578, 39.6904,
64.5387

■ 30.3717, 41.6967,
64.8408

■ 31.7964, 43.0696,
65.0307

■ 33.7090, 44.7026,
65.2451

■ 36.1601, 46.6219,
65.4864

■ 39.1940, 48.8503,
65.7566

■ 42.8501, 51.4083,
66.0577

■ 47.1647, 54.3144,
66.3912

■ 52.1711, 57.5859,
66.7588

■ 57.9003, 61.2389,
67.1619

Harmonies

Analogous

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



27.9001, 40.5513, 45.3916



29.3733, 40.5513, 64.6716



33.2706, 40.5513, 81.3079

Triad

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



29.3733, 40.5513, 64.6716



49.9533, 40.5513, 61.9698



38.1160, 40.5513, 18.2362

Complementary

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



29.3733, 40.5513, 64.6716



26.1953, 14.4295, 1.9782

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.



44.3445, 40.5513, 20.4960



29.3733, 40.5513, 64.6716



51.5968, 40.5513, 42.9381

Square

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



29.3733, 40.5513, 64.6716



45.1641, 40.5513, 79.4788



49.4459, 40.5513, 28.5111



32.6025, 40.5513, 21.2402

Rectangle

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



29.3733, 40.5513, 64.6716



36.9371, 40.5513, 86.8629



49.4459, 40.5513, 28.5111



40.1943, 40.5513, 18.4035

Sweetspot

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



29.3746, 40.5528, 64.6726



72.0289, 85.0635, 107.2303



22.6061, 44.3859, 8.8665



14.9227, 17.8708, 22.9128



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.



29.3746, 40.5528, 64.6726



46.5093, 64.1385, 104.5364



15.6060, 13.0156, 60.0831



11.4479, 12.5362, 14.3867



17.7470, 24.5180, 39.7534



0.9429, 1.3195, 2.0599

Inverse Universe

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



34.7482, 17.1866, 49.0644



55.6049, 27.0060, 77.5747



33.2411, 28.5211, 4.3268



11.6394, 11.3845, 13.9019



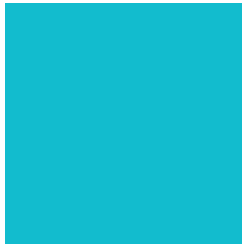
21.1688, 10.2781, 29.6712



1.1059, 0.5358, 1.6033

Previews

White Background



This preview shows how the XYZ color 29.3733, 40.5513, 64.6716 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 29.3733, 40.5513, 64.6716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

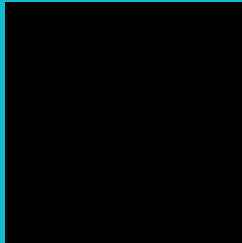
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

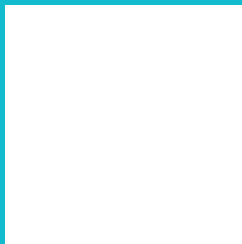
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3733, 40.5513, 64.6716

Background



This preview shows how black text looks on a background with the XYZ color 29.3733, 40.5513, 64.6716.



This preview shows how white text looks on a background with the XYZ color 29.3733, 40.5513,

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

29.3733, 40.5513, 64.6716

Protanopia

39.1453, 39.8549, 56.0817

Deuteranopia

40.9111, 39.9749, 67.1877



Tritanopia

29.0075, 40.3906, 63.3941

Trichromacy



Original Color

29.3733, 40.5513, 64.6716



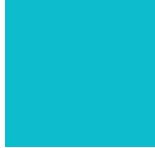
Protanomaly

32.2051, 38.1819, 59.0985



Deuteranomaly

33.3268, 38.3203, 65.9617



Tritanomaly

29.1686, 40.4598, 64.0298

Monochromacy



Original Color

29.3733, 40.5513, 64.6716



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

23.3871, 29.1912, 39.0522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3733, 40.5513, 64.6716 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(18, 188, 206)` looks like.

```
.text, #text, p{  
    color:rgb(18, 188, 206)  
}
```

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(18, 188, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 188, 206) }
```

Border

The CSS property to change the border of an element to XYZ 29.3733, 40.5513, 64.6716 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(18, 188, 206) }
```


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

```
.border{ border-color:rgb(18, 188, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 188, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 188, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 188, 206);  
box-shadow:4px 4px 4px 4px rgb(18, 188,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3733, 40.5513, 64.6716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 188, 206) }
```

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

```
.background{ background-color: rgb(18, 188,  
206) }
```

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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