

Converting Colors

XYZ(11.4021, 29.0950, 46.1796)

Have a look what the booklet for
XYZ(11.4021, 29.0950, 46.1796)
contains.

XYZ(24.1577, 35.7771, 46.7067)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.1577, 35.7771,
46.7067)**

Conversions

Conversions Part 1

Format	Color
Hex	00B4B0
RGB	0, 180, 176
RGB Percent	0%, 71%, 69%
CMY	0.9999, 0.2941, 0.3098
CMYK	1.00, 0.00, 0.02, 0.29
HSL	179°, 100%, 35%
HSV	179°, 100%, 71%
XYZ	24.1577, 35.7771, 46.7067
YIQ	125.7240, -105.9960, -39.4040

Conversions

Conversions Part 2

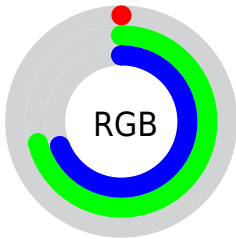
Format	Color
RYB	0, 91, 180
Decimal	46256
CIELab	66.35, -38.23, -8.85
CIELCh	66, 39.245, 193.038
Yxy	35.7771, 0.2265, 0.3355
Android (android.graphics.Color)	4278236336 (0xFF00B4B0)
YUV	125.7240, 24.7861, -110.2599
Hunter-Lab	59.8140, -32.5817, -4.4278

Details

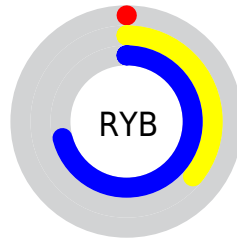
The XYZ color **24.1577, 35.7771, 46.7067** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **18.8454, 9.7131, 0.9973**, and the grayscale version is **19.6854, 20.7106, 22.5538**.

A 20% lighter version of the original color is **49.7065, 68.4697, 86.9401**, and **11.0989, 16.3769, 21.6449** is the 20% darker color. If you saturate the color by 10%, you get **24.1583, 35.7782, 46.7072**, and if you desaturate by 10%, it is **24.4481, 35.9230, 46.9281**.

Distribution



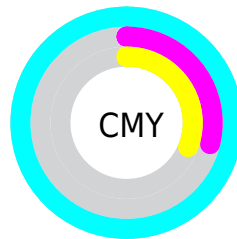
- Red (0%)
- Green (71%)
- Blue (69%)



- Red (0%)
- Yellow (36%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1577, 35.7771, 46.7067 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 24.1577, 35.7771, 46.7067 by changing the saturation by 10% instead.


 24.1577, 35.7771,
46.7067


 24.1577, 35.7771,
46.7067


266.0425,
327.9852, 390.0024


 15.5760, 24.2621,
32.4512


 49.7402, 68.6879,
86.6210


 9.3136, 15.5282,
21.4387


 67.4718, 90.8525,
113.1169


 5.0050, 9.1909,
13.2507


 88.9840, 117.3357,
144.5300

 2.2850, 4.8659,
7.4686

 114.6422,
148.5219, 181.2789

 0.7870, 2.1688,
3.6740

 144.8118,
184.7956, 223.7820

 0.0000, 0.7029,
1.4483

179.8582,

 0.0000, 0.0000,

226.5411, 272.4579

0.1789

220.1466,
274.1429, 327.7252

■ 0.0000, 0.0000,
0.0000

■ 24.1577, 35.7771,
46.7067

■ 24.1577, 35.7771,
46.7067

■ 24.1583, 35.7782,
46.7072

■ 24.4481, 35.9230,
46.9281

■ 24.9665, 36.1856,
47.1601

■ 25.8008, 36.6111,
47.4074

■ 26.9926, 37.2209,
47.6720

■ 28.5775, 38.0333,
47.9557

■ 30.5864, 39.0643,
48.2598

■ 33.0475, 40.3284,
48.5857

■ 35.9863, 41.8387,
48.9345

■ 39.4266, 43.6076,
49.3074

Harmonies

Analogous

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



24.3172, 35.7771, 30.2709



24.1577, 35.7771, 46.7067



26.4093, 35.7771, 65.4220

Triad

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



24.1577, 35.7771, 46.7067



42.2985, 35.7771, 67.6565



37.4029, 35.7771, 15.5065

Complementary

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



24.1577, 35.7771, 46.7067



18.8454, 9.7131, 0.9973

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.



42.9332, 35.7771, 20.8063



24.1577, 35.7771, 46.7067



45.9748, 35.7771, 49.1593

Square

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



24.1577, 35.7771, 46.7067



36.6137, 35.7771, 79.6605



46.2196, 35.7771, 32.1126



31.5234, 35.7771, 15.1988

Rectangle

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



24.1577, 35.7771, 46.7067



29.1432, 35.7771, 75.4231



46.2196, 35.7771, 32.1126



39.3797, 35.7771, 16.6741

Sweetspot

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



24.1588, 35.7784, 46.7076



59.6622, 72.9890, 88.0609



16.3974, 32.6826, 5.4450



12.4770, 15.5607, 18.9793



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.1588, 35.7784, 46.7076



43.7905, 64.8665, 84.6226



12.4232, 11.6642, 44.7781



8.7343, 9.6282, 10.8606



16.8639, 24.9716, 32.6160



0.5332, 0.7867, 1.0397

Inverse Universe

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



18.8454, 9.7131, 0.9973



34.1576, 17.6056, 1.7477



21.9949, 16.0470, 1.9390



8.5038, 8.5082, 8.8853



13.1555, 6.7798, 0.7129



0.4164, 0.2143, 0.0357

Previews

White Background



This preview shows how the XYZ color 24.1577, 35.7771, 46.7067 looks on a white background.

Color Contrast Check

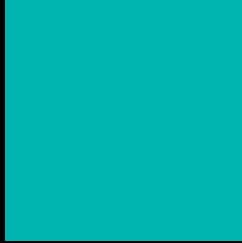
Large Text (above 18pt) WCAG AA × Fail

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 24.1577, 35.7771, 46.7067 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

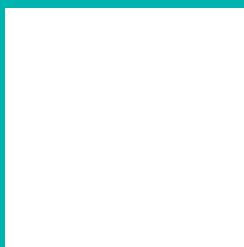
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1577, 35.7771, 46.7067

Background



This preview shows how black text looks on a background with the XYZ color 24.1577, 35.7771, 46.7067.

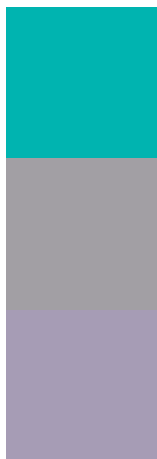


This preview shows how white text looks on a background with the XYZ color 24.1577, 35.7771,

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

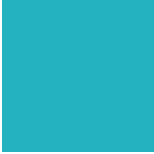
24.1577, 35.7771, 46.7067

Protanopia

33.9993, 35.1580, 40.1162

Deuteranopia

35.9548, 35.2201, 48.6192



Tritanopia

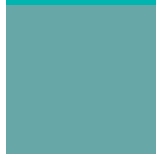
26.1624, 36.0216, 55.4431

Trichromacy



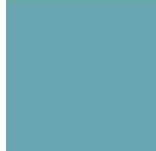
Original Color

24.1577, 35.7771, 46.7067



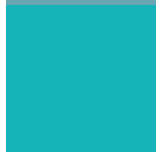
Protanomaly

26.4801, 33.3482, 42.0870



Deuteranomaly

27.5357, 33.2291, 47.6104



Tritanomaly

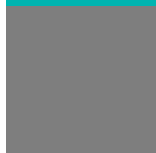
25.3364, 35.9675, 52.0614

Monochromacy



Original Color

24.1577, 35.7771, 46.7067



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.6212, 24.2769, 30.0900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1577, 35.7771, 46.7067 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, 180, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 176)  
}
```

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, 180, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 176) }
```

Border

The CSS property to change the border of an element to XYZ 24.1577, 35.7771, 46.7067 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, 180, 176) }
```


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

```
.border{ border-color:rgb(0, 180, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1577, 35.7771, 46.7067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 176) }
```

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

```
.background{ background-color: rgb(0, 180,  
176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor