

Converting Colors

XYZ(17.1658, 32.8466, 46.3102)

Have a look what the booklet for
XYZ(17.1658, 32.8466, 46.3102)
contains.

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Color

**XYZ(24.5644, 36.5905,
46.8423)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6B0
RGB	0, 182, 176
RGB Percent	0%, 71%, 69%
CMY	0.9999, 0.2863, 0.3098
CMYK	1.00, 0.00, 0.03, 0.29
HSL	178°, 100%, 36%
HSV	178°, 100%, 71%
XYZ	24.5644, 36.5905, 46.8423
YIQ	126.8980, -106.5460, -40.4500

Conversions

Conversions Part 2

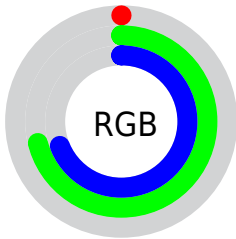
Format	Color
RYB	0, 93, 182
Decimal	46768
CIELab	66.97, -39.14, -7.93
CIELCh	67, 39.932, 191.457
Yxy	36.5905, 0.2275, 0.3388
Android (android.graphics.Color)	4278236848 (0xFF00B6B0)
YUV	126.8980, 24.2073, -111.2895
Hunter-Lab	60.4901, -33.3706, -3.5699

Details

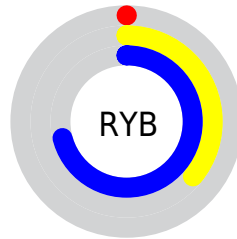
The XYZ color **24.5644, 36.5905, 46.8423** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **19.3254, 9.9593, 1.0770**, and the grayscale version is **20.0871, 21.1332, 23.0140**.

A 20% lighter version of the original color is **50.5776, 70.2118, 87.2305**, and **11.3573, 16.8936, 21.7310** is the 20% darker color. If you saturate the color by 10%, you get **24.5650, 36.5916, 46.8426**, and if you desaturate by 10%, it is **24.8784, 36.7463, 47.1686**.

Distribution



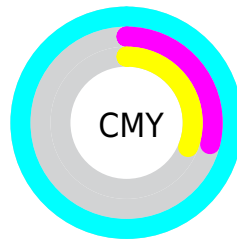
- Red (0%)
- Green (71%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5644, 36.5905, 46.8423 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 24.5644, 36.5905, 46.8423 by changing the saturation by 10% instead.


 24.5644, 36.5905,
46.8423

 24.5644, 36.5905,
46.8423


268.0495,
331.5342, 390.5602


 15.8798, 24.8906,
32.5576

 50.3977, 69.9425,
86.8257


 9.5295, 15.9956,
21.5194


 68.2771, 92.3634,
113.3614


 5.1480, 9.5210,
13.3092


 89.9521, 119.1268,
144.8179

 2.3700, 5.0825,
7.5086

 115.7881,
150.6170, 181.6136

 0.8301, 2.2958,
3.6989

 146.1505,
187.2184, 224.1672

 0.0000, 0.7715,
1.4617

181.4047,

 0.0000, 0.0000,

229.3155, 272.8971

0.1891

221.9158,
277.2927, 328.2220

■ 0.0000, 0.0000,
0.0000

■ 24.5644, 36.5905,
46.8423

■ 24.5644, 36.5905,
46.8423

■ 24.5650, 36.5916,
46.8426

■ 24.8784, 36.7463,
47.1686

■ 25.4271, 37.0223,
47.5064

■ 26.2999, 37.4653,
47.8607

■ 27.5397, 38.0974,
48.2336

■ 29.1829, 38.9375,
48.6268

■ 31.2615, 40.0021,
49.0417

■ 33.8043, 41.3059,
49.4797

■ 36.8376, 42.8625,
49.9420

■ 40.3858, 44.6845,
50.4299

Harmonies

Analogous

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



24.8611, 36.5905, 30.1445



24.5644, 36.5905, 46.8423



26.7574, 36.5905, 66.2636

Triad

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



24.5644, 36.5905, 46.8423



43.0752, 36.5905, 70.4417



38.6161, 36.5905, 15.8418

Complementary

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



24.5644, 36.5905, 46.8423



19.3254, 9.9593, 1.0770

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.



44.2602, 36.5905, 21.5826



24.5644, 36.5905, 46.8423



47.0337, 36.5905, 51.4210

Square

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



24.5644, 36.5905, 46.8423



37.1439, 36.5905, 82.3020



47.4909, 36.5905, 33.5743



32.5151, 36.5905, 15.2717

Rectangle

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



24.5644, 36.5905, 46.8423



29.5034, 36.5905, 76.9244



47.4909, 36.5905, 33.5743



40.6469, 36.5905, 17.1314

Sweetspot

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



24.5655, 36.5919, 46.8432



61.0216, 74.7496, 89.6605



16.8050, 33.4964, 5.5806



13.0306, 16.2806, 19.7286



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.5655, 36.5919, 46.8432



44.5165, 66.3308, 84.8265



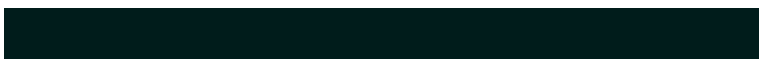
12.7264, 11.9423, 45.8918



9.2535, 10.2054, 11.4925



17.3520, 25.8417, 33.1052



0.6157, 0.9126, 1.1882

Inverse Universe

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



19.3254, 9.9593, 1.0770



35.0180, 18.0475, 1.8625



22.5368, 16.4347, 1.9853



9.0163, 9.0169, 9.4332



13.6515, 7.0343, 0.7856



0.4853, 0.2496, 0.0492

Previews

White Background



This preview shows how the XYZ color 24.5644, 36.5905, 46.8423 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 24.5644, 36.5905, 46.8423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

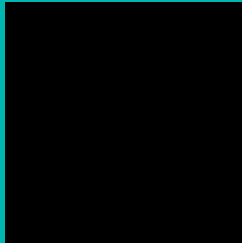
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

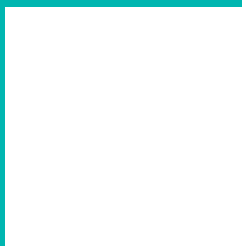
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5644, 36.5905, 46.8423

Background



This preview shows how black text looks on a background with the XYZ color 24.5644, 36.5905, 46.8423.

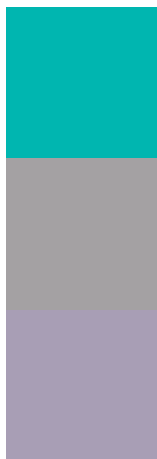


This preview shows how white text looks on a background with the XYZ color 24.5644, 36.5905,

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

24.5644, 36.5905, 46.8423

Protanopia

34.6656, 36.0266, 39.7771

Deuteranopia

36.7158, 36.1147, 48.7518



Tritanopia

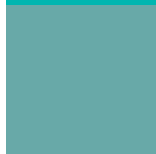
26.6570, 36.5473, 56.6883

Trichromacy



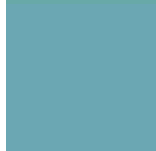
Original Color

24.5644, 36.5905, 46.8423



Protanomaly

26.9648, 34.1461, 42.2155



Deuteranomaly

28.0188, 34.0179, 47.7372



Tritanomaly

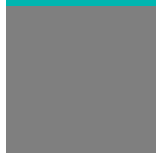
25.6676, 36.4246, 52.6915

Monochromacy



Original Color

24.5644, 36.5905, 46.8423



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.9379, 24.6611, 30.5500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5644, 36.5905, 46.8423 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, 182, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 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, 182, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 176) }
```

Border

The CSS property to change the border of an element to XYZ 24.5644, 36.5905, 46.8423 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, 182, 176) }
```


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

```
.border{ border-color:rgb(0, 182, 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, 182, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5644, 36.5905, 46.8423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 176) }
```

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

```
.background{ background-color: rgb(0, 182,  
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](#).

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