

Converting Colors

XYZ(17.6902, 27.0721, 45.6910)

Have a look what the booklet for
XYZ(17.6902, 27.0721, 45.6910)
contains.

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Color

**XYZ(20.6807, 28.6641,
46.0377)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1B1
RGB	0, 161, 177
RGB Percent	0%, 63%, 69%
CMY	0.9999, 0.3686, 0.3059
CMYK	1.00, 0.09, 0.00, 0.31
HSL	185°, 100%, 35%
HSV	185°, 100%, 69%
XYZ	20.6807, 28.6641, 46.0377
YIQ	114.6850, -101.0920, -29.1560

Conversions

Conversions Part 2

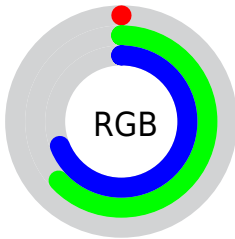
Format	Color
RYB	0, 84, 177
Decimal	41393
CIELab	60.48, -28.94, -18.24
CIELCh	60, 34.211, 212.225
Yxy	28.6641, 0.2168, 0.3005
Android (android.graphics.Color)	4278231473 (0xFF00A1B1)
YUV	114.6850, 30.7213, -100.5787
Hunter-Lab	53.5389, -24.7430, -13.5059

Details

The XYZ color **20.6807, 28.6641, 46.0377** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.3177, 9.7189, 0.9114**, and the grayscale version is **16.1358, 16.9761, 18.4870**.

A 20% lighter version of the original color is **44.0877, 57.4817, 85.8622**, and **9.1067, 12.3925, 20.9808** is the 20% darker color. If you saturate the color by 10%, you get **20.6807, 28.6639, 46.0382**, and if you desaturate by 10%, it is **21.2071, 29.3539, 46.1436**.

Distribution



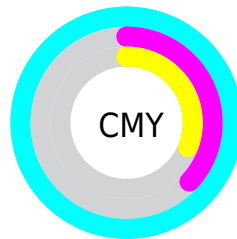
- Red (0%)
- Green (63%)
- Blue (69%)



- Red (0%)
- Yellow (33%)
- Blue (69%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6807, 28.6641, 46.0377 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 20.6807, 28.6641, 46.0377 by changing the saturation by 10% instead.

■ 20.6807, 28.6641,
46.0377

■ 20.6807, 28.6641,
46.0377

■ 248.3406,
295.6268, 387.2422

■ 13.0019, 18.8269,
31.9267

■ 44.0508, 57.5430,
85.6103

■ 7.5069, 11.5452,
21.0412

■ 60.4729, 77.3534,
111.9090

■ 3.8302, 6.4348,
12.9626

■ 80.5401, 101.2570,
143.1073

■ 1.6065, 3.1112,
7.2723

■ 104.6178,
129.6382, 179.6237

■ 0.3967, 1.1901,
3.5520

■ 133.0713,
162.8814, 221.8769

■ 0.0000, 0.0536,
1.3829

■ 166.2661,

■ 0.0000, 0.0000,

201.3710, 270.2854

0.1283

204.5674,
245.4913, 325.2676

■ 0.0000, 0.0000,
0.0000

■ 20.6807, 28.6641,
46.0377

■ 20.6807, 28.6641,
46.0377

■ 20.6807, 28.6639,
46.0382

■ 21.2071, 29.3539,
46.1436

■ 21.9556, 30.1629,
46.2603

■ 23.0116, 31.1357,
46.3925

■ 24.4150, 32.2930,
46.5419

■ 26.1997, 33.6524,
46.7102

■ 28.3958, 35.2291,
46.8988

■ 31.0299, 37.0372,
47.1089

■ 34.1268, 39.0892,
47.3418

■ 37.7092, 41.3970,
47.5984

Harmonies

Analogous

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



19.6176, 28.6641, 32.1629



20.6807, 28.6641, 46.0377



23.4800, 28.6641, 58.0130

Triad

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



20.6807, 28.6641, 46.0377



35.4589, 28.6641, 43.9535



26.9164, 28.6641, 12.6865

Complementary

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



20.6807, 28.6641, 46.0377



18.3177, 9.7189, 0.9114

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.



31.3910, 28.6641, 14.2741



20.6807, 28.6641, 46.0377



36.6288, 28.6641, 30.2768

Square

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



20.6807, 28.6641, 46.0377



32.0220, 28.6641, 56.5991



35.0678, 28.6641, 19.9667



22.9673, 28.6641, 14.8413

Rectangle

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



20.6807, 28.6641, 46.0377



26.1130, 28.6641, 61.9942



35.0678, 28.6641, 19.9667



28.4080, 28.6641, 12.7993

Sweetspot

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



20.6816, 28.6651, 46.0384



55.3017, 66.1486, 84.3486



15.8074, 31.4788, 5.6867



11.5474, 14.0380, 18.2453



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.6816, 28.6651, 46.0384



36.9525, 51.1645, 82.4234



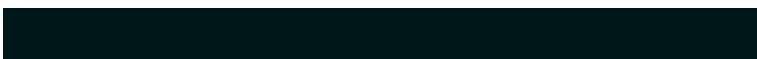
10.3698, 8.0415, 42.6011



8.6757, 9.4976, 10.8823



15.0067, 20.8139, 33.3635



0.4912, 0.6929, 1.0561

Inverse Universe

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



24.5653, 11.9213, 34.7256



43.9508, 21.3316, 61.9617



23.0085, 19.1005, 2.4751



8.8162, 8.6332, 10.5308



17.8094, 8.6413, 25.2198



0.5700, 0.2757, 0.8441

Previews

White Background



This preview shows how the XYZ color 20.6807, 28.6641, 46.0377 looks on a white background.

Color Contrast Check

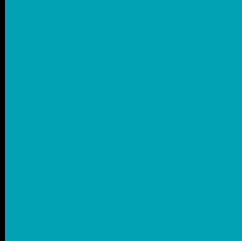
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6807, 28.6641, 46.0377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

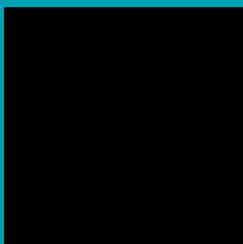
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

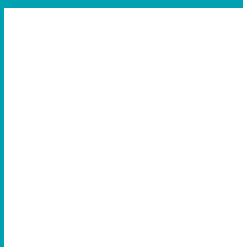
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6807, 28.6641, 46.0377

Background



This preview shows how black text looks on a background with the XYZ color 20.6807, 28.6641, 46.0377.

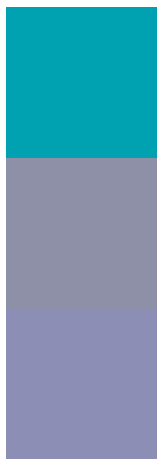


This preview shows how white text looks on a background with the XYZ color 20.6807, 28.6641,

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

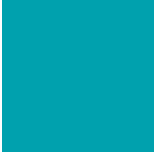
20.6807, 28.6641, 46.0377

Protanopia

27.8407, 28.3624, 40.0835

Deuteranopia

28.9980, 28.3449, 47.6588



Tritanopia

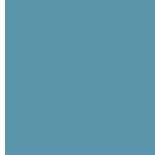
20.3849, 28.5457, 44.4799

Trichromacy



Original Color

20.6807, 28.6641, 46.0377



Protanomaly

22.3785, 26.8886, 42.0408



Deuteranomaly

23.2021, 26.9638, 47.1617



Tritanomaly

20.4827, 28.5849, 44.9953

Monochromacy



Original Color

20.6807, 28.6641, 46.0377



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

15.5864, 19.7540, 27.0362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6807, 28.6641, 46.0377 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, 161, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 177)  
}
```

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, 161, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 177) }
```

Border

The CSS property to change the border of an element to XYZ 20.6807, 28.6641, 46.0377 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, 161, 177) }
```


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

```
.border{ border-color:rgb(0, 161, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6807, 28.6641, 46.0377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 177) }
```

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

```
.background{ background-color: rgb(0, 161,  
177) }
```

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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