

Converting Colors

XYZ(20.4585, 28.3865, 45.4492)

Have a look what the booklet for
XYZ(20.4585, 28.3865, 45.4492)
contains.

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Color

**XYZ(20.4073, 28.2762,
45.4566)**

Conversions

Conversions Part 1

Format	Color
Hex	00A0B0
RGB	0, 160, 176
RGB Percent	0%, 63%, 69%
CMY	0.9999, 0.3725, 0.3098
CMYK	1.00, 0.09, 0.00, 0.31
HSL	185°, 100%, 35%
HSV	185°, 100%, 69%
XYZ	20.4073, 28.2762, 45.4566
YIQ	113.9840, -100.4960, -28.9440

Conversions

Conversions Part 2

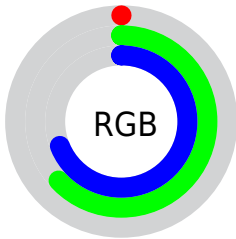
Format	Color
RYB	0, 84, 176
Decimal	41136
CIELab	60.14, -28.78, -18.21
CIELCh	60, 34.054, 212.319
Yxy	28.2762, 0.2168, 0.3004
Android (android.graphics.Color)	4278231216 (0xFF00A0B0)
YUV	113.9840, 30.5739, -99.9640
Hunter-Lab	53.1754, -24.5533, -13.4609

Details

The XYZ color **20.4073, 28.2762, 45.4566** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.0907, 9.6019, 0.9009**, and the grayscale version is **15.9257, 16.7551, 18.2463**.

A 20% lighter version of the original color is **43.5852, 56.8600, 85.0218**, and **8.9377, 12.1552, 20.6140** is the 20% darker color. If you saturate the color by 10%, you get **20.4072, 28.2759, 45.4571**, and if you desaturate by 10%, it is **20.9297, 28.9605, 45.5617**.

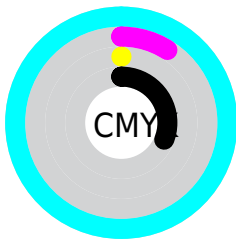
Distribution



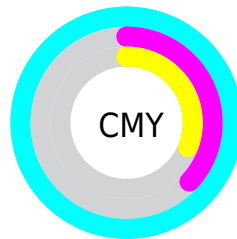
- Red (0%)
- Green (63%)
- Blue (69%)



- 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 20.4073, 28.2762, 45.4566 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 20.4073, 28.2762, 45.4566 by changing the saturation by 10% instead.

■ 20.4073, 28.2762,
45.4566

■ 20.4073, 28.2762,
45.4566

■ 246.9034,
293.7844, 384.8336

■ 12.8014, 18.5340,
31.4717

■ 43.5978, 56.9251,
84.7309

■ 7.3680, 11.3340,
20.6968

■ 59.9131, 76.6006,
110.8573

■ 3.7417, 6.2920,
12.7135

■ 79.8622, 100.3559,
141.8679

■ 1.5570, 3.0234,
7.1031

■ 103.8106,
128.5755, 178.1813

■ 0.3642, 1.1440,
3.4473

■ 132.1236,
161.6437, 220.2161

■ 0.0000, 0.0152,
1.3273

■ 165.1664,

■ 0.0000, 0.0000,

199.9450, 268.3907

0.0840

203.3046,
243.8638, 323.1237

■ 0.0000, 0.0000,
0.0000

■ 20.4073, 28.2762,
45.4566

■ 20.4073, 28.2762,
45.4566

■ 20.4072, 28.2759,
45.4571

■ 20.9297, 28.9605,
45.5617

■ 21.6709, 29.7625,
45.6774

■ 22.7157, 30.7262,
45.8084

■ 24.1035, 31.8722,
45.9564

■ 25.8677, 33.2175,
46.1231

■ 28.0377, 34.7775,
46.3099

■ 30.6401, 36.5658,
46.5179

■ 33.6992, 38.5949,
46.7483

■ 37.2373, 40.8765,
47.0022

Harmonies

Analogous

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



19.3530, 28.2762, 31.7675



20.4073, 28.2762, 45.4566



23.1734, 28.2762, 57.2535

Triad

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



20.4073, 28.2762, 45.4566



34.9860, 28.2762, 43.3142



26.5386, 28.2762, 12.5165

Complementary

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



20.4073, 28.2762, 45.4566



18.0907, 9.6019, 0.9009

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.



30.9526, 28.2762, 14.0710



20.4073, 28.2762, 45.4566



36.1318, 28.2762, 29.8288

Square

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



20.4073, 28.2762, 45.4566



31.6012, 28.2762, 55.8001



34.5841, 28.2762, 19.6725



22.6464, 28.2762, 14.6540

Rectangle

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



20.4073, 28.2762, 45.4566



25.7728, 28.2762, 61.1611



34.5841, 28.2762, 19.6725



28.0095, 28.2762, 12.6240

Sweetspot

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



20.4082, 28.2772, 45.4573



55.2922, 66.1296, 84.3454



15.6101, 31.0850, 5.6180



11.5450, 14.0334, 18.2446



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.



20.4082, 28.2772, 45.4573



36.9235, 51.1065, 82.4138



10.2429, 7.9466, 42.0689



8.6753, 9.4968, 10.8822



14.9953, 20.7910, 33.3597



0.4909, 0.6924, 1.0560

Inverse Universe

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



24.2505, 11.7691, 34.2522



43.9362, 21.3257, 61.8847



22.7236, 18.8676, 2.4452



8.8161, 8.6331, 10.5298



17.8036, 8.6390, 25.1894



0.5698, 0.2757, 0.8434

Previews

White Background



This preview shows how the XYZ color 20.4073, 28.2762, 45.4566 looks on a white background.

Color Contrast Check

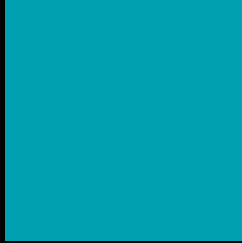
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4073, 28.2762, 45.4566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

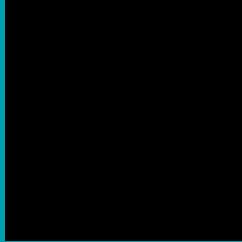
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4073, 28.2762, 45.4566

Background



This preview shows how black text looks on a background with the XYZ color 20.4073, 28.2762, 45.4566.

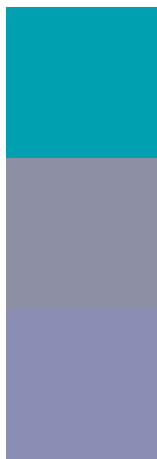


This preview shows how white text looks on a background with the XYZ color 20.4073, 28.2762,

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

20.4073, 28.2762, 45.4566

Protanopia

27.5985, 28.0243, 39.5519

Deuteranopia

28.5783, 27.9205, 47.0630



Tritanopia

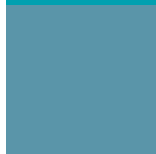
20.1136, 28.1587, 43.9102

Trichromacy



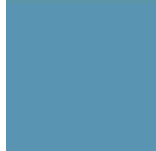
Original Color

20.4073, 28.2762, 45.4566



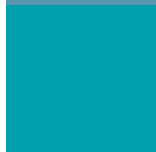
Protanomaly

22.1253, 26.5331, 41.4914



Deuteranomaly

22.8464, 26.5583, 46.5700



Tritanomaly

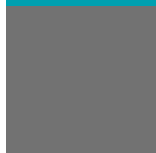
20.2108, 28.1976, 44.4219

Monochromacy



Original Color

20.4073, 28.2762, 45.4566



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

15.3793, 19.4552, 26.6116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4073, 28.2762, 45.4566 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, 160, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 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, 160, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 176) }
```

Border

The CSS property to change the border of an element to XYZ 20.4073, 28.2762, 45.4566 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, 160, 176) }
```


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

```
.border{ border-color:rgb(0, 160, 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, 160, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4073, 28.2762, 45.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 176) }
```

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

```
.background{ background-color: rgb(0, 160,  
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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