

Converting Colors

XYZ(17.8673, 27.4517, 45.1466)

Have a look what the booklet for
XYZ(17.8673, 27.4517, 45.1466)
contains.

XYZ(20.6582, 28.9358, 45.0538)	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(20.6582, 28.9358,
45.0538)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2AF
RGB	0, 162, 175
RGB Percent	0%, 64%, 69%
CMY	0.9999, 0.3647, 0.3137
CMYK	1.00, 0.07, 0.00, 0.31
HSL	184°, 100%, 34%
HSV	184°, 100%, 69%
XYZ	20.6582, 28.9358, 45.0538
YIQ	115.0440, -100.7250, -30.3010

Conversions

Conversions Part 2

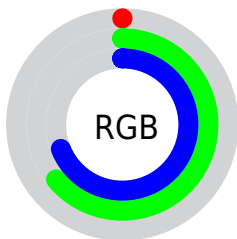
Format	Color
RYB	0, 84, 175
Decimal	41647
CIELab	60.72, -30.09, -16.75
CIELCh	61, 34.437, 209.105
Yxy	28.9358, 0.2183, 0.3057
Android (android.graphics.Color)	4278231727 (0xFF00A2AF)
YUV	115.0440, 29.5583, -100.8936
Hunter-Lab	53.7920, -25.5851, -12.0043

Details

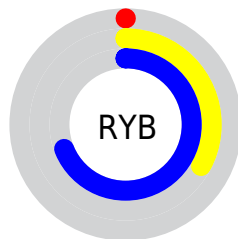
The XYZ color **20.6582, 28.9358, 45.0538** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.8240, 9.4028, 0.8765**, and the grayscale version is **16.2475, 17.0936, 18.6150**.

A 20% lighter version of the original color is **43.9560, 57.8281, 84.4465**, and **9.1511, 12.5819, 20.6851** is the 20% darker color. If you saturate the color by 10%, you get **20.6582, 28.9357, 45.0543**, and if you desaturate by 10%, it is **21.1297, 29.5212, 45.1425**.

Distribution



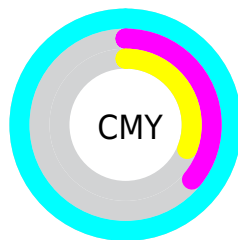
- Red (0%)
- Green (64%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6582, 28.9358, 45.0538 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 20.6582, 28.9358, 45.0538 by changing the saturation by 10% instead.

■ 20.6582, 28.9358,
45.0538

■ 20.6582, 28.9358,
45.0538

■ 248.2226,
296.9119, 383.1579

■ 12.9854, 19.0323,
31.1565

■ 44.0136, 57.9751,
84.1204

■ 7.4954, 11.6936,
20.4586

■ 60.4269, 77.8796,
110.1269

■ 3.8229, 6.5354,
12.5415

■ 80.4844, 101.8866,
141.0069

■ 1.6024, 3.1733,
6.9866

■ 104.5515,
130.3804, 177.1789

■ 0.3940, 1.2229,
3.3754

■ 132.9935,
163.7454, 219.0614

■ 0.0000, 0.0803,
1.2894

■ 166.1758,

■ 0.0000, 0.0000,

202.3661, 267.0731

0.0530

204.4637,
246.6268, 321.6324

■ 0.0000, 0.0000,
0.0000

■ 20.6582, 28.9358,
45.0538

■ 20.6582, 28.9358,
45.0538

■ 20.6582, 28.9357,
45.0543

■ 21.1297, 29.5212,
45.1425

■ 21.8158, 30.2202,
45.2413

■ 22.8003, 31.0766,
45.3547

■ 24.1221, 32.1103,
45.4845

■ 25.8142, 33.3386,
45.6324

■ 27.9055, 34.7762,
45.7997

■ 30.4223, 36.4367,
45.9875

■ 33.3884, 38.3324,
46.1971

■ 36.8260, 40.4748,
46.4295

Harmonies

Analogous

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



19.7755, 28.9358, 31.1232



20.6582, 28.9358, 45.0538



23.3228, 28.9358, 57.6880

Triad

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



20.6582, 28.9358, 45.0538



35.5534, 28.9358, 45.9044



27.6371, 28.9358, 12.7520

Complementary

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



20.6582, 28.9358, 45.0538



17.8240, 9.4028, 0.8765

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.



32.1542, 28.9358, 14.7575



20.6582, 28.9358, 45.0538



37.0185, 28.9358, 31.8922

Square

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



20.6582, 28.9358, 45.0538



31.8968, 28.9358, 58.2653



35.7130, 28.9358, 20.9894



23.5317, 28.9358, 14.5268

Rectangle

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



20.6582, 28.9358, 45.0538



25.9104, 28.9358, 62.3708



35.7130, 28.9358, 20.9894



29.1587, 28.9358, 12.9945

Sweetspot

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



20.6591, 28.9369, 45.0545



54.2221, 65.0855, 82.3418



15.3951, 30.6864, 5.4499



11.6203, 14.1838, 18.2696



84.5950, 89.0005, 96.9216



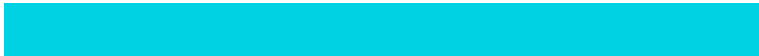
16.2198, 17.0645, 18.5832

Same Dimension

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



20.6591, 28.9369, 45.0545



36.9269, 51.6805, 80.6660



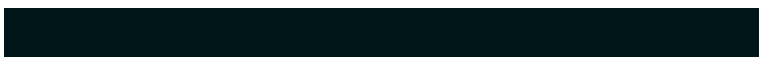
10.3127, 8.2440, 41.6057



8.1847, 8.9687, 10.2524



14.8135, 20.7608, 32.2710



0.4268, 0.6070, 0.9027

Inverse Universe

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



24.2016, 11.7235, 35.1708



43.3068, 20.9804, 62.7982



22.1587, 18.0723, 2.3214



8.3110, 8.1377, 9.9486



17.3408, 8.3989, 25.2379



0.4898, 0.2366, 0.7413

Previews

White Background



This preview shows how the XYZ color 20.6582, 28.9358, 45.0538 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 20.6582, 28.9358, 45.0538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

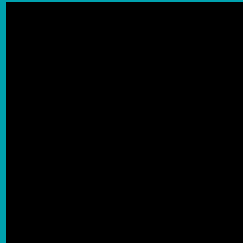
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.6582, 28.9358, 45.0538

Background



This preview shows how black text looks on a background with the XYZ color 20.6582, 28.9358, 45.0538.

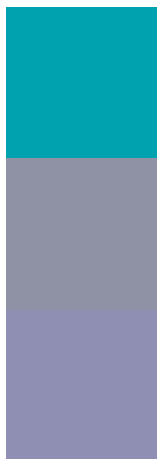


This preview shows how white text looks on a background with the XYZ color 20.6582, 28.9358,

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

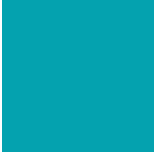
20.6582, 28.9358, 45.0538

Protanopia

28.1539, 28.7708, 39.1914

Deuteranopia

29.2868, 28.7392, 46.6515



Tritanopia

20.7083, 28.9616, 45.0562

Trichromacy



Original Color

20.6582, 28.9358, 45.0538

Protanomaly

22.4489, 27.1845, 41.1097

Deuteranomaly

23.2566, 27.2512, 46.1537

Tritanomaly

20.6957, 28.9552, 45.0556

Monochromacy



Original Color

20.6582, 28.9358, 45.0538

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.5143, 19.7251, 26.6566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6582, 28.9358, 45.0538 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, 162, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 175)  
}
```

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, 162, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 175) }
```

Border

The CSS property to change the border of an element to XYZ 20.6582, 28.9358, 45.0538 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, 162, 175) }
```


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

```
.border{ border-color:rgb(0, 162, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6582, 28.9358, 45.0538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 175) }
```

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

```
.background{ background-color: rgb(0, 162,  
175) }
```

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