

Converting Colors

XYZ(20.0185, 27.5066, 45.3026)

Have a look what the booklet for
XYZ(20.0185, 27.5066, 45.3026)
contains.

XYZ(20.0633, 27.5883, 45.3419)	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(20.0633, 27.5883,
45.3419)**

Conversions

Conversions Part 1

Format	Color
Hex	009EB0
RGB	0, 158, 176
RGB Percent	0%, 62%, 69%
CMY	0.9999, 0.3804, 0.3098
CMYK	1.00, 0.10, 0.00, 0.31
HSL	186°, 100%, 35%
HSV	186°, 100%, 69%
XYZ	20.0633, 27.5883, 45.3419
YIQ	112.8100, -99.9460, -27.8980

Conversions

Conversions Part 2

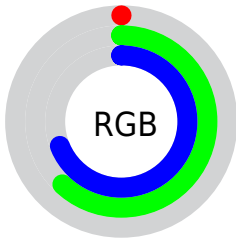
Format	Color
RYB	0, 83, 176
Decimal	40624
CIELab	59.51, -27.79, -19.15
CIELCh	60, 33.749, 214.578
Yxy	27.5883, 0.2157, 0.2967
Android (android.graphics.Color)	4278230704 (0xFF009EB0)
YUV	112.8100, 31.1527, -98.9344
Hunter-Lab	52.5246, -23.7347, -14.4150

Details

The XYZ color **20.0633, 27.5883, 45.3419** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.1217, 9.6638, 0.9111**, and the grayscale version is **15.5747, 16.3858, 17.8441**.

A 20% lighter version of the original color is **43.0791, 55.8476, 84.8531**, and **8.7292, 11.7381, 20.5445** is the 20% darker color. If you saturate the color by 10%, you get **20.0633, 27.5880, 45.3424**, and if you desaturate by 10%, it is **20.6157, 28.3328, 45.4570**.

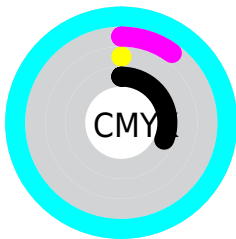
Distribution



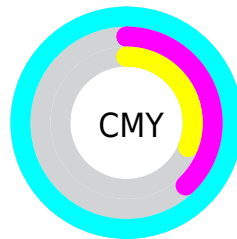
- Red (0%)
- Green (62%)
- Blue (69%)



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



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0633, 27.5883, 45.3419 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 20.0633, 27.5883, 45.3419 by changing the saturation by 10% instead.


 20.0633, 27.5883,
45.3419


 20.0633, 27.5883,
45.3419


245.0846,
290.4944, 384.3569


 12.5496, 18.0155,
31.3819


 43.0264, 55.8265,
84.5571


 7.1940, 10.9611,
20.6289


 59.2065, 75.2607,
110.6494


 3.6311, 6.0407,
12.6644


 79.0062, 98.7508,
141.6229

 1.4956, 2.8699,
7.0699

 102.7907,
126.6813, 177.8961

 0.3229, 1.0642,
3.4267

 130.9255,
159.4365, 219.8876

 0.0000, 0.0000,
1.3164

 163.7758,

 0.0000, 0.0000,

197.4008, 268.0158

0.0752

201.7071,
240.9586, 322.6994

■ 0.0000, 0.0000,
0.0000

■ 20.0633, 27.5883,
45.3419

■ 20.0633, 27.5883,
45.3419

■ 20.0633, 27.5880,
45.3424

■ 20.6157, 28.3328,
45.4570

■ 21.3880, 29.1969,
45.5831

■ 22.4647, 30.2246,
45.7247

■ 23.8853, 31.4363,
45.8837

■ 25.6833, 32.8494,
46.0617

■ 27.8881, 34.4791,
46.2601

■ 30.5262, 36.3389,
46.4800

■ 33.6219, 38.4415,
46.7227

■ 37.1976, 40.7985,
46.9892

Harmonies

Analogous

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



18.9029, 27.5883, 31.9424



20.0633, 27.5883, 45.3419



22.8741, 27.5883, 56.4609

Triad

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



20.0633, 27.5883, 45.3419



34.2998, 27.5883, 41.2237



25.5762, 27.5883, 12.2525

Complementary

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



20.0633, 27.5883, 45.3419



18.1217, 9.6638, 0.9111

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.



29.8813, 27.5883, 13.4953



20.0633, 27.5883, 45.3419



35.2214, 27.5883, 28.2127

Square

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



20.0633, 27.5883, 45.3419



31.1286, 27.5883, 53.6684



33.5270, 27.5883, 18.6365



21.8599, 27.5883, 14.6189

Rectangle

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



20.0633, 27.5883, 45.3419



25.4587, 27.5883, 59.8106



33.5270, 27.5883, 18.6365



27.0001, 27.5883, 12.2690

Sweetspot

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



20.0642, 27.5893, 45.3426



55.0833, 65.7120, 84.2758



15.6321, 31.0937, 5.7342



11.4940, 13.9312, 18.2275



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.



20.0642, 27.5893, 45.3426



36.2904, 49.8403, 82.2027



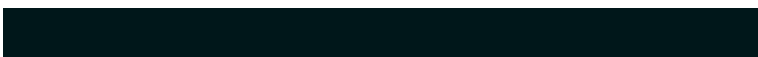
10.0534, 7.5677, 42.0056



8.6669, 9.4801, 10.8794



14.7454, 20.2911, 33.2764



0.4852, 0.6809, 1.0541

Inverse Universe

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



24.0768, 11.6996, 33.3380



43.6166, 21.1979, 60.2019



23.0191, 19.4587, 2.5435



8.8118, 8.6314, 10.5075



17.6774, 8.5885, 24.5251



0.5669, 0.2745, 0.8280

Previews

White Background



This preview shows how the XYZ color 20.0633, 27.5883, 45.3419 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 20.0633, 27.5883, 45.3419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

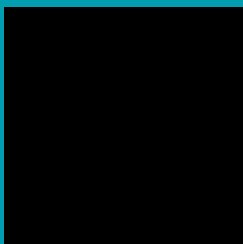
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

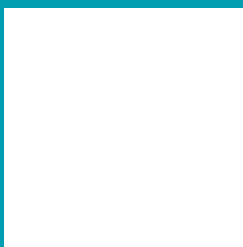
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0633, 27.5883, 45.3419

Background



This preview shows how black text looks on a background with the XYZ color 20.0633, 27.5883, 45.3419.

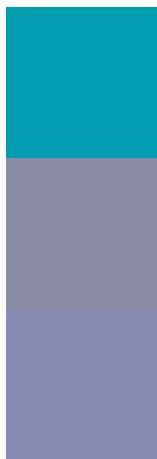


This preview shows how white text looks on a background with the XYZ color 20.0633, 27.5883,

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

20.0633, 27.5883, 45.3419

Protanopia

26.7976, 27.1696, 39.4292

Deuteranopia

27.9328, 27.3698, 46.9907



Tritanopia

19.7488, 27.7365, 42.8409

Trichromacy



Original Color

20.0633, 27.5883, 45.3419

Protanomaly

21.6197, 25.8067, 41.3778

Deuteranomaly

22.5009, 26.1483, 46.5090

Tritanomaly

19.9410, 27.8134, 43.8527

Monochromacy



Original Color

20.0633, 27.5883, 45.3419

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.9667, 18.8558, 26.1433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0633, 27.5883, 45.3419 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, 158, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 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, 158, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 176) }
```

Border

The CSS property to change the border of an element to XYZ 20.0633, 27.5883, 45.3419 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, 158, 176) }
```


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

```
.border{ border-color:rgb(0, 158, 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, 158, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0633, 27.5883, 45.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 176) }
```

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

```
.background{ background-color: rgb(0, 158,  
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