

Converting Colors

XYZ(16.3670, 26.9938, 41.7614)

Have a look what the booklet for
XYZ(16.3670, 26.9938, 41.7614)
contains.

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Color

**XYZ(20.2586, 29.0590,
42.0773)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3A9
RGB	0, 163, 169
RGB Percent	0%, 64%, 66%
CMY	0.9999, 0.3608, 0.3373
CMYK	1.00, 0.04, 0.00, 0.34
HSL	182°, 100%, 33%
HSV	182°, 100%, 66%
XYZ	20.2586, 29.0590, 42.0773
YIQ	114.9470, -99.0740, -32.6900

Conversions

Conversions Part 2

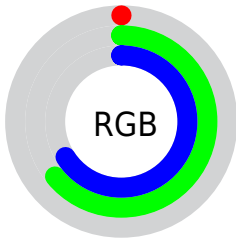
Format	Color
RYB	0, 83, 169
Decimal	41897
CIELab	60.83, -32.51, -13.21
CIELCh	61, 35.088, 202.108
Yxy	29.0590, 0.2217, 0.3179
Android (android.graphics.Color)	4278231977 (0xFF00A3A9)
YUV	114.9470, 26.6481, -100.8085
Hunter-Lab	53.9064, -27.2540, -8.5451

Details

The XYZ color **20.2586, 29.0590, 42.0773** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.4279, 8.5660, 0.7883**, and the grayscale version is **16.2257, 17.0706, 18.5899**.

A 20% lighter version of the original color is **43.2453, 57.9575, 79.4287**, and **8.8953, 12.6532, 18.8031** is the 20% darker color. If you saturate the color by 10%, you get **20.2590, 29.0596, 42.0779**, and if you desaturate by 10%, it is **20.5958, 29.3920, 42.1243**.

Distribution



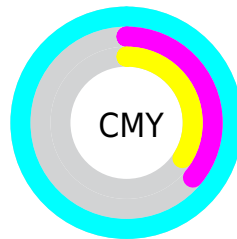
- Red (0%)
- Green (64%)
- Blue (66%)



- Red (0%)
- Yellow (33%)
- Blue (66%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (34%)




- Cyan (100%)
- Magenta (36%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2586, 29.0590, 42.0773 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 20.2586, 29.0590, 42.0773 by changing the saturation by 10% instead.


 20.2586, 29.0590,
42.0773


 20.2586, 29.0590,
42.0773


246.1186,
297.4932, 370.6124


 12.6925, 19.1255,
28.8358


 43.3510, 58.1708,
79.5880


 7.2927, 11.7610,
18.7121


 59.6080, 78.1179,
104.6942


 3.6938, 6.5811,
11.2878


 79.4926, 102.1716,
134.5924

 1.5304, 3.2016,
6.1441

 103.3703,
130.7163, 169.7012

 0.3464, 1.2378,
2.8627

 131.6064,
164.1364, 210.4390

 0.0000, 0.0923,
1.0250

 164.5663,

 0.0000, 0.0000,

202.8163, 257.2245

0.0000

202.6152,
247.1405, 310.4761

■ 20.2586, 29.0590,
42.0773

■ 20.2586, 29.0590,
42.0773

■ 20.2590, 29.0596,
42.0779

■ 20.5958, 29.3920,
42.1243

■ 21.1272, 29.8252,
42.1800

■ 21.9325, 30.4004,
42.2485

■ 23.0473, 31.1358,
42.3317

■ 24.5016, 32.0471,
42.4310

■ 26.3222, 33.1479,
42.5475

■ 28.5329, 34.4506,
42.6824

■ 31.1558, 35.9666,
42.8368

■ 34.2111, 37.7062,
43.0115

Harmonies

Analogous

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



19.8047, 29.0590, 28.3123



20.2586, 29.0590, 42.0773



22.5712, 29.0590, 55.9180

Triad

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



20.2586, 29.0590, 42.0773



35.1431, 29.0590, 49.7299



28.8427, 29.0590, 12.6990

Complementary

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



20.2586, 29.0590, 42.0773



16.4279, 8.5660, 0.7883

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.



33.3698, 29.0590, 15.6575



20.2586, 29.0590, 42.0773



37.2599, 29.0590, 35.2194

Square

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



20.2586, 29.0590, 42.0773



31.0572, 29.0590, 61.1173



36.5775, 29.0590, 23.0899



24.4457, 29.0590, 13.5955

Rectangle

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



20.2586, 29.0590, 42.0773



25.0095, 29.0590, 62.1039



36.5775, 29.0590, 23.0899



30.4055, 29.0590, 13.2384

Sweetspot

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



20.2595, 29.0601, 42.0780



50.8628, 61.5597, 76.4266



14.2195, 28.3889, 4.8926



10.7228, 13.2045, 16.6357



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.2595, 29.0601, 42.0780



36.2481, 51.9751, 75.3468



9.9493, 8.4396, 38.6413



7.7244, 8.4857, 9.6491



15.1073, 21.6748, 31.3629



0.3743, 0.5409, 0.7653

Inverse Universe

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



22.9738, 11.0801, 35.5794



41.1263, 19.8357, 63.6281



20.0310, 15.7722, 1.9893



7.8302, 7.6620, 9.4232



17.1261, 8.2591, 26.5392



0.4201, 0.2023, 0.6637

Previews

White Background



This preview shows how the XYZ color 20.2586, 29.0590, 42.0773 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 20.2586, 29.0590, 42.0773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

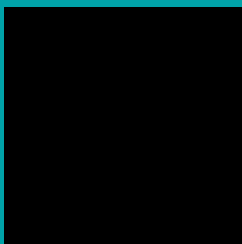
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

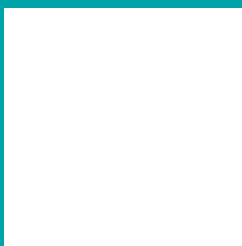
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2586, 29.0590, 42.0773

Background



This preview shows how black text looks on a background with the XYZ color 20.2586, 29.0590, 42.0773.

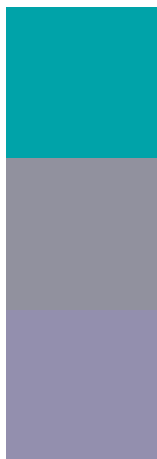


This preview shows how white text looks on a background with the XYZ color 20.2586, 29.0590,

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

20.2586, 29.0590, 42.0773

Protanopia

27.9740, 28.7392, 36.4206

Deuteranopia

29.4951, 28.9040, 44.0689



Tritanopia

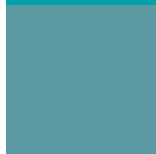
21.0115, 29.1180, 45.0703

Trichromacy



Original Color

20.2586, 29.0590, 42.0773



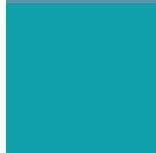
Protanomaly

22.1635, 27.3404, 38.2915



Deuteranomaly

22.9688, 27.1709, 43.0637



Tritanomaly

20.6602, 28.9593, 44.0360

Monochromacy



Original Color

20.2586, 29.0590, 42.0773



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

15.3721, 19.6683, 25.9078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2586, 29.0590, 42.0773 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, 163, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 169)  
}
```

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, 163, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 169) }
```

Border

The CSS property to change the border of an element to XYZ 20.2586, 29.0590, 42.0773 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, 163, 169) }
```


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

```
.border{ border-color:rgb(0, 163, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2586, 29.0590, 42.0773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 169) }
```

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

```
.background{ background-color: rgb(0, 163,  
169) }
```

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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