

Converting Colors

XYZ(21.0549, 29.5344, 40.4201)

Have a look what the booklet for
XYZ(21.0549, 29.5344, 40.4201)
contains.

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Color

**XYZ(20.9709, 29.4689,
40.1801)**

Conversions

Conversions Part 1

Format	Color
Hex	2DA3A5
RGB	45, 163, 165
RGB Percent	18%, 64%, 65%
CMY	0.8235, 0.3608, 0.3529
CMYK	0.73, 0.01, 0.00, 0.35
HSL	181°, 57%, 41%
HSV	181°, 73%, 65%
XYZ	20.9709, 29.4689, 40.1801
YIQ	127.9460, -70.9700, -24.3940

Conversions

Conversions Part 2

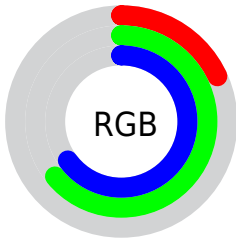
Format	Color
RYB	45, 104, 165
Decimal	2991013
CIELab	61.19, -30.60, -10.36
CIElCh	61, 32.305, 198.710
Yxy	29.4689, 0.2314, 0.3252
Android (android.graphics.Color)	4281181093 (0xFF2DA3A5)
YUV	127.9460, 18.2676, -72.7436
Hunter-Lab	54.2853, -26.0430, -5.8847




Details

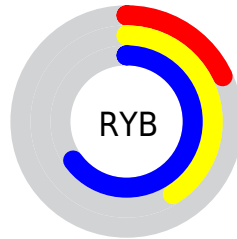
The XYZ color **20.9709, 29.4689, 40.1801** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.0078, 10.2225, 3.5601**, and the grayscale version is **20.4565, 21.5218, 23.4373**.




A 20% lighter version of the original color is **44.4201, 58.6251, 76.6847**, and **8.6651, 12.5611, 17.5906** is the 20% darker color. If you saturate the color by 10%, you get **20.3334, 29.0685, 40.1370**, and if you desaturate by 10%, it is **21.8940, 30.0179, 40.2380**.

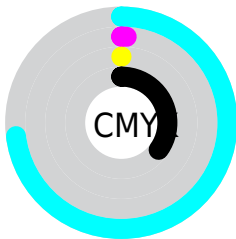
Distribution







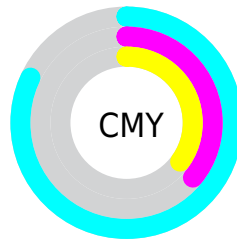
-  Red (18%)
-  Green (64%)
-  Blue (65%)






-  Red (18%)
-  Yellow (41%)
-  Blue (65%)



-  Cyan (73%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (35%)



-  Cyan (82%)
-  Magenta (36%)
-  Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9709, 29.4689, 40.1801 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 20.9709, 29.4689, 40.1801 by changing the saturation by 10% instead.

■ 20.9709, 29.4689,
40.1801

■ 20.9709, 29.4689,
40.1801

■ 249.8584,
299.4210, 362.4567

■ 13.2151, 19.4358,
27.3641

■ 44.5307, 58.8213,
76.6778

■ 7.6548, 11.9856,
17.6120

■ 61.0655, 78.9093,
101.1966

■ 3.9248, 6.7339,
10.5053

■ 81.2572, 103.1178,
130.4534

■ 1.6597, 3.2962,
5.6253

■ 105.4713,
131.8312, 164.8668

■ 0.4308, 1.2883,
2.5535

■ 134.0731,
165.4338, 204.8552

■ 0.0000, 0.1321,
0.8683

167.4280,

■ 0.0000, 0.0000,

204.3100, 250.8374

0.0000

205.9013,
248.8443, 303.2317

■ 20.9709, 29.4689,
40.1801

■ 20.9709, 29.4689,
40.1801

■ 20.3334, 29.0685,
40.1370

■ 21.8940, 30.0179,
40.2380

■ 19.9436, 28.7954,
40.1048

■ 23.1296, 30.7276,
40.3098

■ 19.7566, 28.6465,
40.0859

■ 24.7045, 31.6123,
40.3976

■ 26.6419, 32.6841,
40.5023

■ 28.9629, 33.9537,
40.6251

■ 31.6870, 35.4314,
40.7667

■ 34.8325, 37.1264,
40.9281

■ 38.4164, 39.0476,
41.1100

■ 42.4549, 41.2033,
41.3133

Harmonies

Analogous

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



20.7464, 29.4689, 27.7261



20.9709, 29.4689, 40.1801



22.9634, 29.4689, 53.0388

Triad

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



20.9709, 29.4689, 40.1801



34.5973, 29.4689, 50.1058



29.6371, 29.4689, 14.1951

Complementary

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



20.9709, 29.4689, 40.1801



17.0078, 10.2225, 3.5601

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.



33.7451, 29.4689, 17.5380



20.9709, 29.4689, 40.1801



36.7957, 29.4689, 36.8819

Square

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



20.9709, 29.4689, 40.1801



30.7086, 29.4689, 59.6944



36.4689, 29.4689, 25.1602



25.4730, 29.4689, 14.6543

Rectangle

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



20.9709, 29.4689, 40.1801



25.1503, 29.4689, 59.1516



36.4689, 29.4689, 25.1602



31.0772, 29.4689, 14.8688

Sweetspot

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



20.9718, 29.4700, 40.1808



52.0144, 60.8866, 72.7632



15.0116, 27.6583, 7.0307



11.1246, 13.1765, 15.8945



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.9718, 29.4700, 40.1808



35.9560, 51.7463, 71.8453



12.9262, 13.3787, 37.4989



7.2660, 7.9909, 9.0625



14.9497, 21.6788, 30.3263



0.3171, 0.4614, 0.6382

Inverse Universe

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



23.0670, 12.5212, 35.8526



39.9715, 19.8574, 63.4174



21.0431, 18.2930, 4.9052



7.3592, 7.2001, 8.8780



16.6914, 8.0326, 26.6292



0.3522, 0.1694, 0.5674

Previews

White Background



This preview shows how the XYZ color 20.9709, 29.4689, 40.1801 looks on a white background.

Color Contrast Check

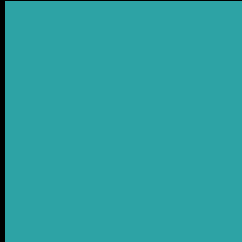
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9709, 29.4689, 40.1801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

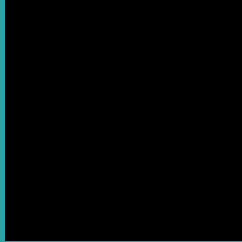
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.9709, 29.4689, 40.1801

Background



This preview shows how black text looks on a background with the XYZ color 20.9709, 29.4689, 40.1801.

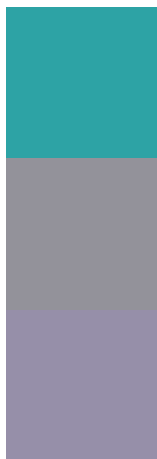


This preview shows how white text looks on a background with the XYZ color 20.9709, 29.4689,

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

20.9709, 29.4689, 40.1801

Protanopia

28.1442, 29.0939, 34.7042

Deuteranopia

29.5616, 28.9935, 41.5744



Tritanopia

22.0234, 29.6396, 45.1177

Trichromacy



Original Color

20.9709, 29.4689, 40.1801

Protanomaly

23.8302, 28.2401, 36.5426

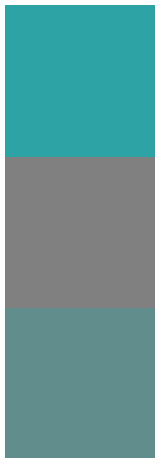
Deuteranomaly

24.6563, 28.0846, 41.1671

Tritanomaly

21.5376, 29.4339, 43.0742

Monochromacy



Original Color

20.9709, 29.4689, 40.1801

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.3696, 23.5695, 28.7278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9709, 29.4689, 40.1801 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(45, 163, 165)` looks like.

```
.text, #text, p{  
  color:rgb(45, 163, 165)  
}
```

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(45, 163, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 163, 165) }
```

Border

The CSS property to change the border of an element to XYZ 20.9709, 29.4689, 40.1801 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(45, 163, 165) }
```


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

```
.border{ border-color:rgb(45, 163, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 163, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 163, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 163, 165);  
box-shadow:4px 4px 4px 4px rgb(45, 163,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9709, 29.4689, 40.1801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 163, 165) }
```

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

```
.background{ background-color: rgb(45, 163,  
165) }
```

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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