

Converting Colors

XYZ(16.7891, 21.0462, 40.6889)

Have a look what the booklet for
XYZ(16.7891, 21.0462, 40.6889)
contains.

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Color

**XYZ(16.8346, 21.1310,
40.7275)**

Conversions

Conversions Part 1

Format	Color
Hex	2489A9
RGB	36, 137, 169
RGB Percent	14%, 54%, 66%
CMY	0.8588, 0.4627, 0.3373
CMYK	0.79, 0.19, 0.00, 0.34
HSL	194°, 65%, 40%
HSV	194°, 79%, 66%
XYZ	16.8346, 21.1310, 40.7275
YIQ	110.4490, -70.4680, -11.4600

Conversions

Conversions Part 2

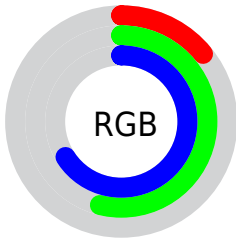
Format	Color
R_{YB}	36, 93, 169
Decimal	2394537
CIE _{Lab}	53.09, -17.02, -24.98
CIE _{LCh}	53, 30.223, 235.735
Yxy	21.1310, 0.2139, 0.2685
Android (android.graphics.Color)	4280584617 (0xFF2489A9)
YUV	110.4490, 28.8656, -65.2918
Hunter-Lab	45.9685, -15.0744, -20.3523

Details

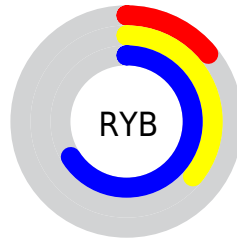
The XYZ color **16.8346, 21.1310, 40.7275** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **18.7485, 12.6976, 3.1325**, and the grayscale version is **14.8851, 15.6603, 17.0540**.

A 20% lighter version of the original color is **37.4615, 45.0923, 77.2503**, and **6.6191, 8.1007, 18.0444** is the 20% darker color. If you saturate the color by 10%, you get **15.8109, 19.7616, 40.5176**, and if you desaturate by 10%, it is **18.1599, 22.6889, 40.9588**.

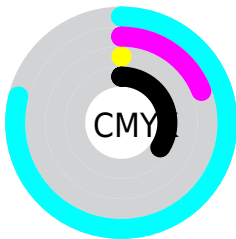
Distribution



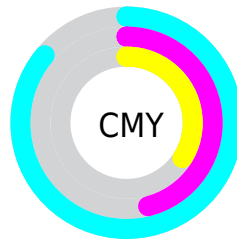
- Red (14%)
- Green (54%)
- Blue (66%)



- Red (14%)
- Yellow (36%)
- Blue (66%)



- Cyan (79%)
- Magenta (19%)
- Yellow (0%)
- Black (34%)



- Cyan (86%)
- Magenta (46%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8346, 21.1310, 40.7275 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 16.8346, 21.1310, 40.7275 by changing the saturation by 10% instead.

■ 16.8346, 21.1310,
40.7275

■ 16.8346, 21.1310,
40.7275

■ 227.3923,
257.9739, 364.8233

■ 10.2112, 13.2198,
27.7881

■ 37.5870, 45.3055,
77.5192

■ 5.6026, 7.5801,
17.9284

■ 52.4468, 62.3375,
102.2087

■ 2.6433, 3.8274,
10.7297

■ 70.7827, 83.1786,
131.6519

■ 0.9681, 1.5775,
5.7735

■ 92.9602, 108.2131,
166.2674

■ 0.0000, 0.3424,
2.6413

■ 119.3445,
137.8256, 206.4737

■ 0.0000, 0.0000,
0.9137

■ 150.3011,

■ 0.0000, 0.0000,

172.4002, 252.6895

0.0000

186.1952,
212.3215, 305.3331

■ 16.8346, 21.1310,
40.7275

■ 16.8346, 21.1310,
40.7275

■ 15.8109, 19.7616,
40.5176

■ 18.1599, 22.6889,
40.9588

■ 15.0222, 18.5450,
40.3243

■ 19.8195, 24.4515,
41.2115

■ 14.9249, 18.3914,
40.2998

■ 21.8441, 26.4353,
41.4877

■ 24.2601, 28.6543,
41.7887

■ 27.0914, 31.1210,
42.1156

■ 30.3600, 33.8472,
42.4695

■ 34.0861, 36.8436,
42.8515

■ 38.2888, 40.1203,
43.2625

■ 42.9860, 43.6869,
43.7033

Harmonies

Analogous

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



15.0644, 21.1310, 31.4804



16.8346, 21.1310, 40.7275



19.6330, 21.1310, 45.2628

Triad

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



16.8346, 21.1310, 40.7275



26.8201, 21.1310, 24.3352



17.5446, 21.1310, 10.5636

Complementary

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



16.8346, 21.1310, 40.7275



18.7485, 12.6976, 3.1325

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.



20.5426, 21.1310, 9.5902



16.8346, 21.1310, 40.7275



26.1115, 21.1310, 16.2111

Square

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



16.8346, 21.1310, 40.7275



25.5735, 21.1310, 34.3433



23.7276, 21.1310, 11.3578



15.4429, 21.1310, 14.4897

Rectangle

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



16.8346, 21.1310, 40.7275



21.7887, 21.1310, 44.3153



23.7276, 21.1310, 11.3578



18.4714, 21.1310, 9.9333

Sweetspot

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



16.8353, 21.1317, 40.7280



50.9169, 57.7594, 75.6902



15.9303, 29.1572, 10.1048



10.6765, 12.2342, 16.4509



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.



16.8353, 21.1317, 40.7280



27.3128, 33.8546, 72.3201



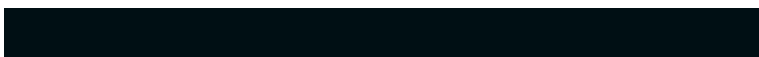
10.1728, 7.8067, 38.5072



7.5923, 8.2216, 9.6051



11.1663, 13.7928, 30.0492



0.3077, 0.4076, 0.7431

Inverse Universe

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



21.5090, 11.5036, 24.7545



36.6772, 18.2895, 39.4793



25.1420, 25.4848, 5.2637



7.7636, 7.6353, 9.0722



15.1368, 7.4634, 16.0640



0.3865, 0.1889, 0.4866

Previews

White Background



This preview shows how the XYZ color 16.8346, 21.1310, 40.7275 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 16.8346, 21.1310, 40.7275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

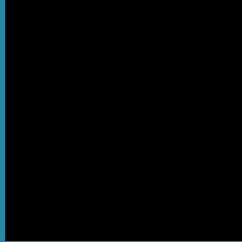
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.8346, 21.1310, 40.7275

Background



This preview shows how black text looks on a background with the XYZ color 16.8346, 21.1310, 40.7275.

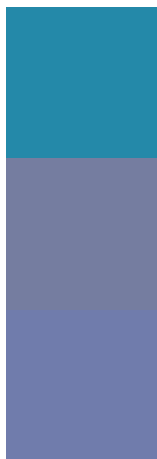


This preview shows how white text looks on a background with the XYZ color 16.8346, 21.1310,

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

16.8346, 21.1310, 40.7275

Protanopia

21.0149, 20.9872, 36.2010

Deuteranopia

21.3361, 20.8386, 41.9274



Tritanopia

15.0892, 21.0551, 32.5469

Trichromacy



Original Color

16.8346, 21.1310, 40.7275

Protanomaly

18.4856, 20.4196, 37.6174

Deuteranomaly

18.8571, 20.5256, 41.4960

Tritanomaly

15.6727, 21.0723, 35.5891

Monochromacy



Original Color

16.8346, 21.1310, 40.7275

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.3805, 16.9106, 23.9789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8346, 21.1310, 40.7275 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(36, 137, 169)` looks like.

```
.text, #text, p{  
    color:rgb(36, 137, 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(36, 137, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 137, 169) }
```

Border

The CSS property to change the border of an element to XYZ 16.8346, 21.1310, 40.7275 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(36, 137, 169) }
```


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

```
.border{ border-color:rgb(36, 137, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 137, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 137, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 137, 169);  
box-shadow:4px 4px 4px 4px rgb(36, 137,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8346, 21.1310, 40.7275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 137, 169) }
```

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

```
.background{ background-color: rgb(36, 137,  
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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