

Converting Colors

XYZ(16.6687, 20.4058, 43.9800)

Have a look what the booklet for
XYZ(16.6687, 20.4058, 43.9800)
contains.

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Color

**XYZ(16.6501, 20.3335,
44.1215)**

Conversions

Conversions Part 1

Format	Color
Hex	1486B0
RGB	20, 134, 176
RGB Percent	8%, 53%, 69%
CMY	0.9215, 0.4745, 0.3098
CMYK	0.89, 0.24, 0.00, 0.31
HSL	196°, 80%, 38%
HSV	196°, 89%, 69%
XYZ	16.6501, 20.3335, 44.1215
YIQ	104.7020, -81.4260, -11.1060

Conversions

Conversions Part 2

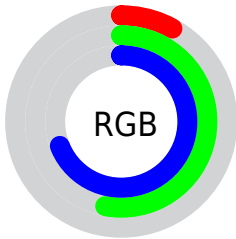
Format	Color
R _Y B	20, 86, 176
Decimal	1345200
CIE Lab	52.21, -14.25, -30.39
CIE LCh	52, 33.568, 244.877
Yxy	20.3335, 0.2053, 0.2507
Android (android.graphics.Color)	4279535280 (0xFF1486B0)
YUV	104.7020, 35.1499, -74.2837
Hunter-Lab	45.0927, -13.0025, -26.4482

Details

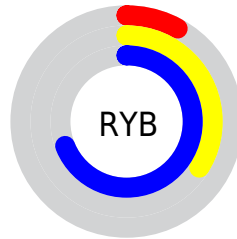
The XYZ color **16.6501, 20.3335, 44.1215** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.7550, 12.7285, 2.0785**, and the grayscale version is **13.2727, 13.9639, 15.2067**.

A 20% lighter version of the original color is **37.2656, 43.9082, 82.8550**, and **6.7455, 7.7707, 19.8833** is the 20% darker color. If you saturate the color by 10%, you get **15.7518, 18.9200, 43.8964**, and if you desaturate by 10%, it is **17.8172, 21.9298, 44.3685**.

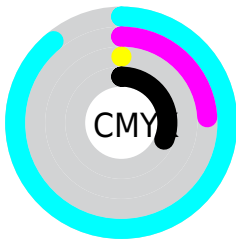
Distribution



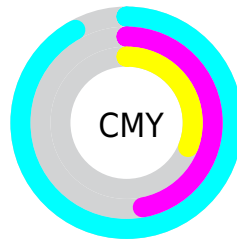
- Red (8%)
- Green (53%)
- Blue (69%)



- Red (8%)
- Yellow (34%)
- Blue (69%)



- Cyan (89%)
- Magenta (24%)
- Yellow (0%)
- Black (31%)



- Cyan (92%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6501, 20.3335, 44.1215 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 16.6501, 20.3335, 44.1215 by changing the saturation by 10% instead.

■ 16.6501, 20.3335,
44.1215

■ 16.6501, 20.3335,
44.1215

■ 226.3436,
253.7149, 379.2597

■ 10.0791, 12.6377,
30.4281

■ 37.2716, 43.9756,
82.7050

■ 5.5141, 7.1795,
19.9090

■ 52.0528, 60.6907,
108.4322

■ 2.5898, 3.5746,
12.1455

■ 70.3014, 81.1811,
139.0077

■ 0.9407, 1.4386,
6.7191

■ 92.3829, 105.8310,
174.8501

■ 0.0000, 0.2449,
3.2113

■ 118.6624,
135.0250, 216.3780

■ 0.0000, 0.0000,
1.2035

■ 149.5055,

■ 0.0000, 0.0000,

169.1473, 264.0099

0.0000

185.2775,
208.5825, 318.1643

■ 16.6501, 20.3335,
44.1215

■ 16.6501, 20.3335,
44.1215

■ 15.7518, 18.9200,
43.8964

■ 17.8172, 21.9298,
44.3685

■ 15.6355, 18.7326,
43.8664

■ 19.3190, 23.7424,
44.6392

■ 21.1951, 25.7927,
44.9361

■ 23.4786, 28.0982,
45.2608

■ 26.1990, 30.6747,
45.6147

■ 29.3826, 33.5362,
45.9992

■ 33.0538, 36.6959,
46.4156

■ 37.2352, 40.1658,
46.8650

■ 41.9478, 43.9573,
47.3484

Harmonies

Analogous

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



14.3887, 20.3335, 34.8456



16.6501, 20.3335, 44.1215



19.8947, 20.3335, 46.9095

Triad

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



16.6501, 20.3335, 44.1215



26.7005, 20.3335, 20.5667



15.7830, 20.3335, 9.9448

Complementary

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



16.6501, 20.3335, 44.1215



19.7550, 12.7285, 2.0785

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.



18.7690, 20.3335, 8.1134



16.6501, 20.3335, 44.1215



25.2813, 20.3335, 12.9724

Square

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



16.6501, 20.3335, 44.1215



25.9605, 20.3335, 31.2029



22.2751, 20.3335, 9.0291



13.9313, 20.3335, 15.0271

Rectangle

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



16.6501, 20.3335, 44.1215



22.2469, 20.3335, 44.1758



22.2751, 20.3335, 9.0291



16.6733, 20.3335, 9.0103

Sweetspot

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



16.6508, 20.3342, 44.1220



54.0102, 61.4545, 83.5106



16.6735, 31.5436, 9.7123



11.2621, 12.9282, 18.0462



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.



16.6508, 20.3342, 44.1220



28.1608, 33.5811, 79.4929



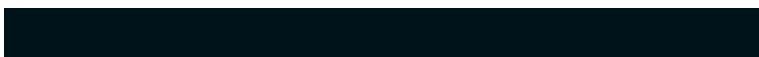
9.5600, 6.1526, 41.7584



8.5453, 9.2367, 10.8388



11.5222, 13.8447, 32.2020



0.4076, 0.5258, 1.0282

Inverse Universe

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



22.4584, 11.4526, 23.5817



39.5132, 19.5565, 38.5935



27.3518, 27.9220, 4.6108



8.7504, 8.6069, 10.1841



16.0505, 7.9378, 15.9578



0.5278, 0.2589, 0.6220

Previews

White Background



This preview shows how the XYZ color 16.6501, 20.3335, 44.1215 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 16.6501, 20.3335, 44.1215 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 16.6501, 20.3335, 44.1215

Background



This preview shows how black text looks on a background with the XYZ color 16.6501, 20.3335, 44.1215.

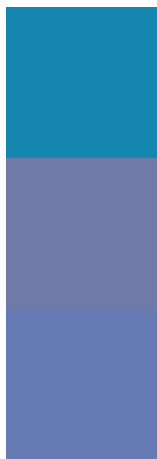


This preview shows how white text looks on a background with the XYZ color 16.6501, 20.3335,

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

16.6501, 20.3335, 44.1215

Protanopia

20.4901, 20.0886, 39.3568

Deuteranopia

20.6991, 20.2454, 45.4646



Tritanopia

14.4338, 20.3151, 31.1774

Trichromacy



Original Color

16.6501, 20.3335, 44.1215

Protanomaly

17.8584, 19.4437, 40.8420

Deuteranomaly

18.2977, 19.7708, 44.9712

Tritanomaly

15.2048, 20.4051, 35.4850

Monochromacy



Original Color

16.6501, 20.3335, 44.1215

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1662, 15.5853, 23.7871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6501, 20.3335, 44.1215 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(20, 134, 176)` looks like.

```
.text, #text, p{  
    color:rgb(20, 134, 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(20, 134, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 134, 176) }
```

Border

The CSS property to change the border of an element to XYZ 16.6501, 20.3335, 44.1215 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(20, 134, 176) }
```


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

```
.border{ border-color:rgb(20, 134, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 134, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 134, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 134, 176);  
box-shadow:4px 4px 4px 4px rgb(20, 134,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6501, 20.3335, 44.1215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 134, 176) }
```

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

```
.background{ background-color: rgb(20, 134,  
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](#).

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