

Converting Colors

XYZ(16.3624, 21.0995, 26.8422)

Have a look what the booklet for
XYZ(16.3624, 21.0995, 26.8422)
contains.

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Color

**XYZ(16.4415, 21.2340,
26.8989)**

Conversions

Conversions Part 1

Format	Color
Hex	4C8989
RGB	76, 137, 137
RGB Percent	30%, 54%, 54%
CMY	0.7020, 0.4627, 0.4627
CMYK	0.45, 0.00, 0.00, 0.46
HSL	180°, 29%, 42%
HSV	180°, 45%, 54%
XYZ	16.4415, 21.2340, 26.8989
YIQ	118.7610, -36.3560, -12.9320

Conversions

Conversions Part 2

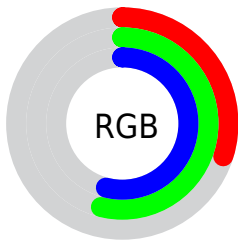
Format	Color
R_{YB}	76, 107, 137
Decimal	5015945
CIE _{Lab}	53.20, -19.70, -6.18
CIE _{LCh}	53, 20.647, 197.402
Yxy	21.2340, 0.2546, 0.3288
Android (android.graphics.Color)	4283206025 (0xFF4C8989)
YUV	118.7610, 8.9918, -37.5014
Hunter-Lab	46.0804, -16.9517, -2.3536

Details

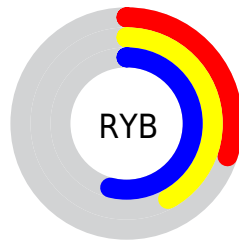
The XYZ color **16.4415, 21.2340, 26.8989** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.2062, 11.0096, 8.2145**, and the grayscale version is **17.4403, 18.3486, 19.9816**.

A 20% lighter version of the original color is **36.9783, 45.6464, 55.5769**, and **5.4170, 7.6532, 10.2085** is the 20% darker color. If you saturate the color by 10%, you get **15.4670, 20.7322, 26.8536**, and if you desaturate by 10%, it is **17.6491, 21.8570, 26.9560**.

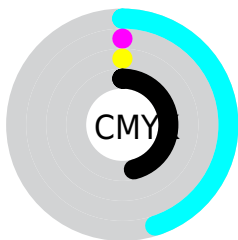
Distribution



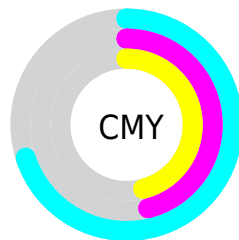
- Red (30%)
- Green (54%)
- Blue (54%)



- Red (30%)
- Yellow (42%)
- Blue (54%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (46%)



- Cyan (70%)
- Magenta (46%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4415, 21.2340, 26.8989 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 16.4415, 21.2340, 26.8989 by changing the saturation by 10% instead.

■ 16.4415, 21.2340,
26.8989

■ 16.4415, 21.2340,
26.8989

225.1525,
258.5195, 300.9119

■ 9.9299, 13.2952,
17.2655

■ 36.9143, 45.4767,
55.7234

■ 5.4144, 7.6321,
10.2600

■ 51.6062, 62.5492,
75.7515

■ 2.5297, 3.8605,
5.4639

■ 69.7556, 83.4352,
100.0817

■ 0.9102, 1.5958,
2.4585

■ 91.7279, 108.5190,
129.1325

■ 0.0000, 0.3548,
0.8180

■ 117.8883,
138.1849, 163.3224

■ 0.0000, 0.0000,
0.0000

148.6024,

172.8173, 203.0699

184.2353,
212.8007, 248.7935

■ 16.4415, 21.2340,
26.8989

■ 16.4415, 21.2340,
26.8989

■ 15.4670, 20.7322,
26.8536

■ 17.6491, 21.8570,
26.9560

■ 14.7089, 20.3413,
26.8180

■ 19.1014, 22.6057,
27.0241

■ 14.1512, 20.0538,
26.7917


■ 20.8115, 23.4873,
27.1043


■ 13.7749, 19.8598,
26.7740


■ 22.7912, 24.5079,
27.1971


■ 13.5552, 19.7466,
26.7636


■ 25.0514, 25.6730,
27.3030

 13.4613, 19.6982,
26.7591

 27.6023, 26.9881,
27.4225

 30.4539, 28.4581,
27.5561

 33.6154, 30.0879,
27.7042

 37.0958, 31.8822,
27.8673

Harmonies

Analogous

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



16.3623, 21.2340, 20.6000



16.4415, 21.2340, 26.8989



17.4765, 21.2340, 33.1288

Triad

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



16.4415, 21.2340, 26.8989



23.4272, 21.2340, 32.2327



21.1102, 21.2340, 13.2735

Complementary

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



16.4415, 21.2340, 26.8989



14.2062, 11.0096, 8.2145

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.



23.1539, 21.2340, 15.3626



16.4415, 21.2340, 26.8989



24.5548, 21.2340, 25.8381

Square

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



16.4415, 21.2340, 26.8989



21.4618, 21.2340, 36.5686



24.4513, 21.2340, 19.7131



18.9546, 21.2340, 13.4542

Rectangle

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



16.4415, 21.2340, 26.8989



18.6143, 21.2340, 36.0658



24.4513, 21.2340, 19.7131



21.8359, 21.2340, 13.7152

Sweetspot

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



16.4421, 21.2348, 26.8994



37.6805, 42.2724, 48.5562



13.3127, 19.9925, 9.9952



8.3062, 9.4066, 10.8841



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.4421, 21.2348, 26.8994



27.7528, 37.1545, 48.0906



12.8082, 13.9668, 25.6887



5.1728, 5.6886, 6.4312



12.5387, 18.3480, 24.9250



0.0833, 0.1219, 0.1656

Inverse Universe

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



14.2062, 11.0096, 8.2145



23.2334, 16.4871, 10.3243



16.7227, 16.0428, 9.0531



5.0329, 5.0486, 5.2616



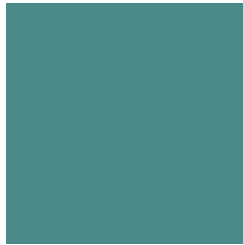
9.6098, 4.9541, 0.4498



0.0638, 0.0329, 0.0030

Previews

White Background



This preview shows how the XYZ color 16.4415, 21.2340, 26.8989 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 16.4415, 21.2340, 26.8989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

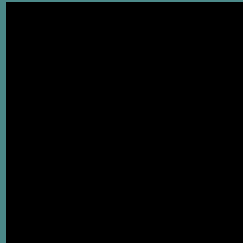
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4415, 21.2340, 26.8989

Background



This preview shows how black text looks on a background with the XYZ color 16.4415, 21.2340, 26.8989.



This preview shows how white text looks on a background with the XYZ color 16.4415, 21.2340,

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

16.4415, 21.2340, 26.8989

Protanopia

20.3922, 21.1226, 24.1214

Deuteranopia

21.3323, 20.9649, 27.7332



Tritanopia

17.2169, 21.3459, 30.4069

Trichromacy



Original Color

16.4415, 21.2340, 26.8989

Protanomaly

18.5229, 20.9099, 25.2501

Deuteranomaly

19.0615, 20.7472, 27.4261

Tritanomaly

16.9040, 21.2112, 29.1898

Monochromacy



Original Color

16.4415, 21.2340, 26.8989

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.8203, 19.3116, 22.5797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4415, 21.2340, 26.8989 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(76, 137, 137)` looks like.

```
.text, #text, p{  
    color:rgb(76, 137, 137)  
}
```

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(76, 137, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 137, 137) }
```

Border

The CSS property to change the border of an element to XYZ 16.4415, 21.2340, 26.8989 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(76, 137, 137) }
```


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

```
.border{ border-color:rgb(76, 137, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 137, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 137, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 137, 137);  
box-shadow:4px 4px 4px 4px rgb(76, 137,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4415, 21.2340, 26.8989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 137, 137) }
```

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

```
.background{ background-color: rgb(76, 137,  
137) }
```

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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