

Converting Colors

XYZ(16.4252, 20.1991, 28.8221)

Have a look what the booklet for
XYZ(16.4252, 20.1991, 28.8221)
contains.

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Color

**XYZ(16.4336, 20.1480,
29.0094)**

Conversions

Conversions Part 1

Format	Color
Hex	4F848F
RGB	79, 132, 143
RGB Percent	31%, 52%, 56%
CMY	0.6902, 0.4823, 0.4392
CMYK	0.45, 0.08, 0.00, 0.44
HSL	190°, 29%, 44%
HSV	190°, 45%, 56%
XYZ	16.4336, 20.1480, 29.0094
YIQ	117.4070, -35.1190, -7.8150

Conversions

Conversions Part 2

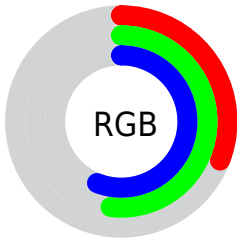
Format	Color
R_{YB}	79, 108, 143
Decimal	5211279
CIE _{Lab}	52.00, -14.57, -11.44
CIE _{LCh}	52, 18.529, 218.145
Yxy	20.1480, 0.2505, 0.3072
Android (android.graphics.Color)	4283401359 (0xFF4F848F)
YUV	117.4070, 12.6173, -33.6829
Hunter-Lab	44.8865, -13.2000, -6.8976

Details

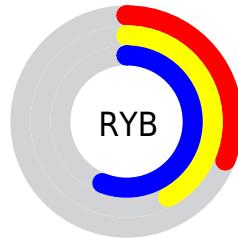
The XYZ color **16.4336, 20.1480, 29.0094** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.3954, 13.7166, 9.1809**, and the grayscale version is **17.0052, 17.8907, 19.4830**.

A 20% lighter version of the original color is **36.9427, 43.6347, 59.2986**, and **5.3940, 7.0316, 11.4289** is the 20% darker color. If you saturate the color by 10%, you get **15.0405, 18.9414, 28.8503**, and if you desaturate by 10%, it is **18.0917, 21.5038, 29.1841**.

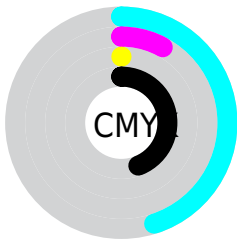
Distribution



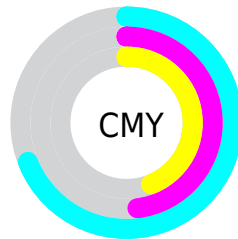
- Red (31%)
- Green (52%)
- Blue (56%)



- Red (31%)
- Yellow (42%)
- Blue (56%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (44%)



- Cyan (69%)
- Magenta (48%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4336, 20.1480, 29.0094 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 16.4336, 20.1480, 29.0094 by changing the saturation by 10% instead.

■ 16.4336, 20.1480,
29.0094

■ 16.4336, 20.1480,
29.0094

225.1073,
252.7152, 311.3216

■ 9.9243, 12.5027,
18.8423

■ 36.9007, 43.6652,
59.1344

■ 5.4107, 7.0870,
11.3807

■ 51.5893, 60.3058,
79.9293

■ 2.5274, 3.5166,
6.2061

■ 69.7349, 80.7137,
105.1040

■ 0.9091, 1.4070,
2.9000

■ 91.7030, 105.2732,
135.0769

■ 0.0000, 0.2219,
1.0438

■ 117.8590,
134.3687, 170.2666

■ 0.0000, 0.0000,
0.0000

148.5681,

168.3846, 211.0915

184.1958,
207.7053, 257.9704

■ 16.4336, 20.1480,
29.0094

■ 16.4336, 20.1480,
29.0094

■ 15.0405, 18.9414,
28.8503

■ 18.0917, 21.5038,
29.1841

■ 13.8940, 17.8730,
28.7045

■ 20.0280, 23.0143,
29.3736

■ 12.9760, 16.9339,
28.5716

■ 22.2572, 24.6877,
29.5791

■ 12.2653, 16.1130,
28.4506

■ 24.7923, 26.5306,
29.8012

■ 11.7342, 15.3961,
28.3402

■ 27.6456, 28.5495,
30.0405

■ 11.4867, 15.0406,
28.2847

■ 30.8285, 30.7503,
30.2975

■ 34.3520, 33.1389,
30.5729

■ 38.2266, 35.7207,
30.8670

■ 42.4623, 38.5008,
31.1803

Harmonies

Analogous

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



15.7753, 20.1480, 23.4446



16.4336, 20.1480, 29.0094



17.8297, 20.1480, 33.0762

Triad

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



16.4336, 20.1480, 29.0094



22.7224, 20.1480, 26.0417



18.6401, 20.1480, 13.1686

Complementary

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



16.4336, 20.1480, 29.0094



16.3954, 13.7166, 9.1809

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.



20.5340, 20.1480, 13.6311



16.4336, 20.1480, 29.0094



22.9748, 20.1480, 20.4968

Square

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



16.4336, 20.1480, 29.0094



21.4819, 20.1480, 31.1762



22.1505, 20.1480, 16.1202



16.9934, 20.1480, 14.7326

Rectangle

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



16.4336, 20.1480, 29.0094



19.0328, 20.1480, 34.0615



22.1505, 20.1480, 16.1202



19.2678, 20.1480, 13.0979

Sweetspot

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



16.4342, 20.1488, 29.0099



40.4953, 44.6801, 53.0278



14.8786, 22.0401, 13.0690



9.0878, 10.0997, 12.1427



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.4342, 20.1488, 29.0099



26.8474, 33.8420, 51.6552



12.7720, 12.8243, 27.7891



5.4825, 5.9608, 6.8904



10.1696, 13.3252, 25.0131



0.1107, 0.1543, 0.2436

Inverse Universe

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



18.2890, 13.0980, 23.3950



30.7341, 19.9143, 39.6988



19.6580, 20.2419, 10.2685



5.5870, 5.4953, 6.5893



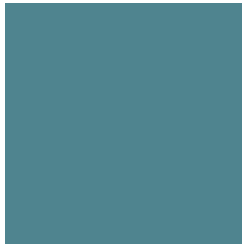
12.9362, 6.3315, 15.8475



0.1305, 0.0632, 0.1873

Previews

White Background



This preview shows how the XYZ color 16.4336, 20.1480, 29.0094 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 16.4336, 20.1480, 29.0094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

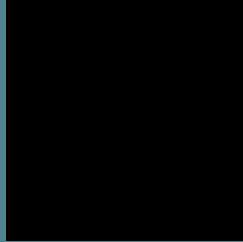
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4336, 20.1480, 29.0094

Background



This preview shows how black text looks on a background with the XYZ color 16.4336, 20.1480, 29.0094.

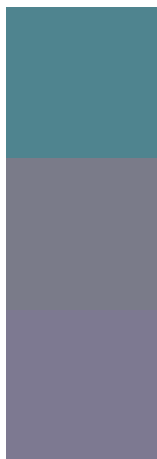


This preview shows how white text looks on a background with the XYZ color 16.4336, 20.1480,

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

16.4336, 20.1480, 29.0094

Protanopia

19.6244, 20.1096, 26.5141

Deuteranopia

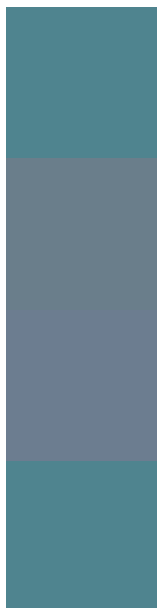
20.4057, 20.0791, 29.5882



Tritanopia

16.4336, 20.1480, 29.0094

Trichromacy



Original Color

16.4336, 20.1480, 29.0094

Protanomaly

18.0649, 19.8500, 27.3054

Deuteranomaly

18.5520, 19.8690, 29.2429

Tritanomaly

16.4336, 20.1480, 29.0094

Monochromacy



Original Color

16.4336, 20.1480, 29.0094

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.3189, 18.3090, 22.4126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4336, 20.1480, 29.0094 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(79, 132, 143)` looks like.

```
.text, #text, p{  
    color:rgb(79, 132, 143)  
}
```

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(79, 132, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 132, 143) }
```

Border

The CSS property to change the border of an element to XYZ 16.4336, 20.1480, 29.0094 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(79, 132, 143) }
```


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

```
.border{ border-color:rgb(79, 132, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 132, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 132, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 132, 143);  
box-shadow:4px 4px 4px 4px rgb(79, 132,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4336, 20.1480, 29.0094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 132, 143) }
```

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

```
.background{ background-color: rgb(79, 132,  
143) }
```

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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