

Converting Colors

XYZ(16.8990, 20.5657, 32.5379)

Have a look what the booklet for
XYZ(16.8990, 20.5657, 32.5379)
contains.

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Color

**XYZ(16.7975, 20.4653,
32.3430)**

Conversions

Conversions Part 1

Format	Color
Hex	4A8597
RGB	74, 133, 151
RGB Percent	29%, 52%, 59%
CMY	0.7098, 0.4784, 0.4078
CMYK	0.51, 0.12, 0.00, 0.41
HSL	194°, 34%, 44%
HSV	194°, 51%, 59%
XYZ	16.7975, 20.4653, 32.3430
YIQ	117.4110, -40.9420, -6.9100

Conversions

Conversions Part 2

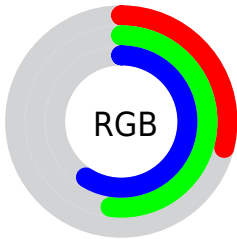
Format	Color
R_{YB}	74, 107, 151
Decimal	4883863
CIE _{Lab}	52.36, -14.06, -15.58
CIE _{LCh}	52, 20.991, 227.940
Yxy	20.4653, 0.2413, 0.2940
Android (android.graphics.Color)	4283073943 (0xFF4A8597)
YUV	117.4110, 16.5594, -38.0714
Hunter-Lab	45.2386, -12.8889, -10.7219

Details

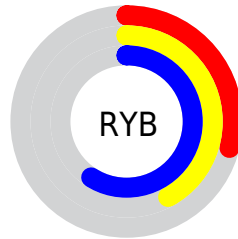
The XYZ color **16.7975, 20.4653, 32.3430** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.8261, 14.7285, 8.3826**, and the grayscale version is **16.9959, 17.8810, 19.4725**.

A 20% lighter version of the original color is **37.4804, 44.1148, 64.2972**, and **5.5451, 7.1848, 13.1511** is the 20% darker color. If you saturate the color by 10%, you get **15.2966, 18.9866, 32.1371**, and if you desaturate by 10%, it is **18.5950, 22.1219, 32.5684**.

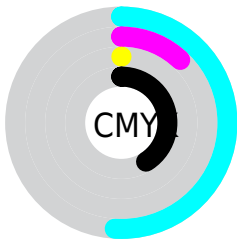
Distribution



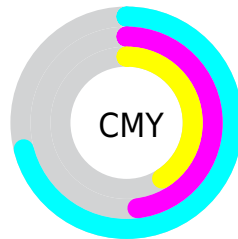
- Red (29%)
- Green (52%)
- Blue (59%)



- Red (29%)
- Yellow (42%)
- Blue (59%)



- Cyan (51%)
- Magenta (12%)
- Yellow (0%)
- Black (41%)



- Cyan (71%)
- Magenta (48%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7975, 20.4653, 32.3430 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 16.7975, 20.4653, 32.3430 by changing the saturation by 10% instead.

■ 16.7975, 20.4653,
32.3430

■ 16.7975, 20.4653,
32.3430

227.1818,
254.4230, 327.2195

■ 10.1846, 12.7337,
21.3566

■ 37.5237, 44.1959,
64.4526

■ 5.5847, 7.2454,
13.1912

■ 52.3676, 60.9638,
86.4128

■ 2.6325, 3.6161,
7.4280

■ 70.6861, 81.5125,
112.8682

■ 0.9625, 1.4612,
3.6487

■ 92.8442, 106.2265,
144.2371

■ 0.0000, 0.2612,
1.4347

■ 119.2075,
135.4901, 180.9382

■ 0.0000, 0.0000,
0.1686

150.1413,

■ 0.0000, 0.0000,

169.6878, 223.3899

0.0000

186.0110,
209.2040, 272.0108

■ 16.7975, 20.4653,
32.3430

■ 16.7975, 20.4653,
32.3430

■ 15.2966, 18.9866,
32.1371

■ 18.5950, 22.1219,
32.5684

■ 14.0698, 17.6726,
31.9481

■ 20.7057, 23.9639,
32.8127

■ 13.0947, 16.5121,
31.7755

■ 23.1470, 26.0009,
33.0772

■ 12.3440, 15.4905,
31.6179

■ 25.9346, 28.2411,
33.3627

■ 11.7973, 14.6569,
31.4858

■ 29.0831, 30.6925,
33.6699

■ 32.6062, 33.3622,
33.9995

■ 36.5171, 36.2572,
34.3522

■ 40.8280, 39.3842,
34.7285

■ 45.5507, 42.7493,
35.1291

Harmonies

Analogous

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



15.7586, 20.4653, 26.1553



16.7975, 20.4653, 32.3430



18.5959, 20.4653, 36.0719

Triad

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



16.7975, 20.4653, 32.3430



23.8069, 20.4653, 24.8646



18.1991, 20.4653, 12.7671

Complementary

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



16.7975, 20.4653, 32.3430



17.8261, 14.7285, 8.3826

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.



20.3332, 20.4653, 12.5503



16.7975, 20.4653, 32.3430



23.6808, 20.4653, 18.8135

Square

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



16.7975, 20.4653, 32.3430



22.7043, 20.4653, 31.2486



22.3716, 20.4653, 14.5611



16.5256, 20.4653, 15.2211

Rectangle

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



16.7975, 20.4653, 32.3430



20.0316, 20.4653, 36.2773



22.3716, 20.4653, 14.5611



18.8830, 20.4653, 12.4492

Sweetspot

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



16.7981, 20.4661, 32.3435



44.2163, 48.8015, 59.5229



15.8215, 24.3616, 13.9866



9.8305, 10.9155, 13.5063



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.7981, 20.4661, 32.3435



27.0980, 33.6972, 57.5097



12.4609, 11.7915, 30.8977



6.2621, 6.7817, 7.9079



10.0585, 12.5136, 26.7929



0.1771, 0.2405, 0.4095

Inverse Universe

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



19.4455, 13.1710, 23.7085



32.5812, 19.8717, 39.3365



22.0439, 23.1640, 9.7885



6.3994, 6.2989, 7.4835



13.5358, 6.6686, 14.6125



0.2158, 0.1051, 0.2895

Previews

White Background



This preview shows how the XYZ color 16.7975, 20.4653, 32.3430 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 16.7975, 20.4653, 32.3430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

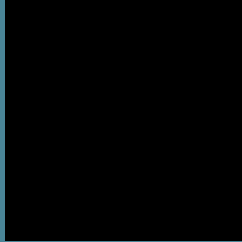
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

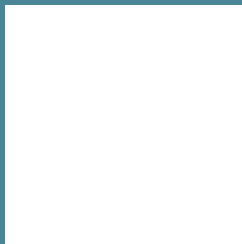
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7975, 20.4653, 32.3430

Background



This preview shows how black text looks on a background with the XYZ color 16.7975, 20.4653, 32.3430.



This preview shows how white text looks on a background with the XYZ color 16.7975, 20.4653,

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

16.7975, 20.4653, 32.3430

Protanopia

19.8627, 20.1726, 29.2324

Deuteranopia

20.7353, 20.3566, 32.9733



Tritanopia

16.3084, 20.4722, 29.8801

Trichromacy



Original Color

16.7975, 20.4653, 32.3430

Protanomaly

18.4494, 20.1689, 30.5244

Deuteranomaly

18.9540, 20.1920, 32.6042

Tritanomaly

16.5392, 20.5732, 30.7031

Monochromacy



Original Color

16.7975, 20.4653, 32.3430

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.4122, 18.5176, 23.4781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7975, 20.4653, 32.3430 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(74, 133, 151)` looks like.

```
.text, #text, p{  
    color:rgb(74, 133, 151)  
}
```

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(74, 133, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 133, 151) }
```

Border

The CSS property to change the border of an element to XYZ 16.7975, 20.4653, 32.3430 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(74, 133, 151) }
```


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

```
.border{ border-color:rgb(74, 133, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 133, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 133, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 133, 151);  
box-shadow:4px 4px 4px 4px rgb(74, 133,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7975, 20.4653, 32.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 133, 151) }
```

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

```
.background{ background-color: rgb(74, 133,  
151) }
```

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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