

Converting Colors

XYZ(16.7954, 19.0308, 43.3455)

Have a look what the booklet for
XYZ(16.7954, 19.0308, 43.3455)
contains.

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Color

**XYZ(16.7954, 19.0308,
43.3455)**

Conversions

Conversions Part 1

Format	Color
Hex	357FAF
RGB	53, 127, 175
RGB Percent	21%, 50%, 69%
CMY	0.7921, 0.5020, 0.3137
CMYK	0.70, 0.27, 0.00, 0.31
HSL	204°, 54%, 45%
HSV	204°, 70%, 69%
XYZ	16.7954, 19.0308, 43.3455
YIQ	110.3460, -59.5120, -0.7600

Conversions

Conversions Part 2

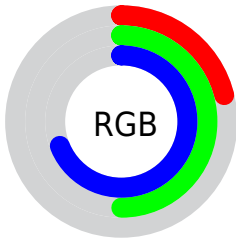
Format	Color
R _Y B	53, 99, 175
Decimal	3506095
CIE Lab	50.72, -7.02, -32.09
CIE LCh	51, 32.846, 257.656
Yxy	19.0308, 0.2121, 0.2404
Android (android.graphics.Color)	4281696175 (0xFF357FAF)
YUV	110.3460, 31.8744, -50.2924
Hunter-Lab	43.6243, -7.6199, -28.3741

Details

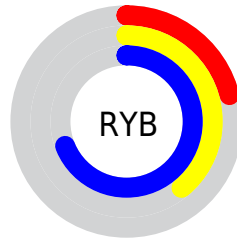
The XYZ color **16.7954, 19.0308, 43.3455** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **22.9763, 18.6795, 5.7635**, and the grayscale version is **14.8447, 15.6177, 17.0077**.

A 20% lighter version of the original color is **37.6845, 41.9894, 81.7199**, and **6.2372, 6.8539, 19.4066** is the 20% darker color. If you saturate the color by 10%, you get **15.1789, 16.9224, 43.0241**, and if you desaturate by 10%, it is **18.8099, 21.4352, 43.7038**.

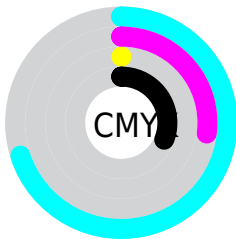
Distribution



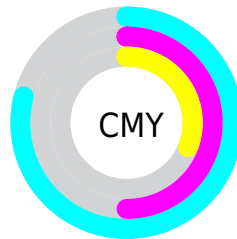
- Red (21%)
- Green (50%)
- Blue (69%)



- Red (21%)
- Yellow (39%)
- Blue (69%)



- Cyan (70%)
- Magenta (27%)
- Yellow (0%)
- Black (31%)



- Cyan (79%)
- Magenta (50%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7954, 19.0308, 43.3455 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 16.7954, 19.0308, 43.3455 by changing the saturation by 10% instead.

■ 16.7954, 19.0308,
43.3455

■ 16.7954, 19.0308,
43.3455

227.1699,
246.6187, 375.9936

■ 10.1831, 11.6925,
29.8229

■ 37.5201, 41.7861,
81.5239

■ 5.5837, 6.5347,
19.4533

■ 52.3632, 57.9720,
107.0168

■ 2.6319, 3.1728,
11.8181

■ 70.6806, 77.8759,
137.3369

■ 0.9622, 1.2226,
6.4989

■ 92.8377, 101.8821,
172.9026

■ 0.0000, 0.0801,
3.0771

■ 119.1998,
130.3751, 214.1326

■ 0.0000, 0.0000,
1.1341

150.1323,

■ 0.0000, 0.0000,

163.7393, 261.4454

0.0000

186.0005,
202.3590, 315.2596

■ 16.7954, 19.0308,
43.3455

■ 16.7954, 19.0308,
43.3455

■ 15.1789, 16.9224,
43.0241

■ 18.8099, 21.4352,
43.7038

■ 13.9184, 15.0857,
42.7360

■ 21.2545, 24.1530,
44.0996

■ 12.9340, 13.4779,
42.4776

■ 24.1597, 27.2019,
44.5349

■ 12.9071, 13.4334,
42.4704

■ 27.5528, 30.5977,
45.0115

■ 31.4587, 34.3547,
45.5309

■ 35.9006, 38.4865,
46.0943

■ 40.9000, 43.0057,
46.7031

■ 46.4775, 47.9244,
47.3585

■ 52.6522, 53.2540,
48.0618

Harmonies

Analogous

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



14.2267, 19.0308, 36.8029



16.7954, 19.0308, 43.3455



20.0337, 19.0308, 42.6529

Triad

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



16.7954, 19.0308, 43.3455



24.6597, 19.0308, 15.7908



13.8834, 19.0308, 10.9178

Complementary

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



16.7954, 19.0308, 43.3455



22.9763, 18.6795, 5.7635

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.



16.2729, 19.0308, 7.9926



16.7954, 19.0308, 43.3455



22.5920, 19.0308, 10.1765

Square

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



16.7954, 19.0308, 43.3455



24.8429, 19.0308, 24.7520



19.4457, 19.0308, 7.7691



12.6844, 19.0308, 17.1538

Rectangle

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



16.7954, 19.0308, 43.3455



22.1446, 19.0308, 38.1886



19.4457, 19.0308, 7.7691



14.5601, 19.0308, 9.6066

Sweetspot

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



16.7961, 19.0315, 43.3460



55.1201, 60.3702, 81.3843



19.0878, 32.3329, 17.2334



11.8201, 13.0063, 18.0318



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.



16.7961, 19.0315, 43.3460



25.8157, 28.3620, 76.7507



11.2279, 7.8950, 41.4899



7.9678, 8.5350, 10.1802



9.3043, 9.7424, 30.4346



0.3101, 0.3736, 0.8638

Inverse Universe

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



22.7836, 13.1932, 21.4250



37.9660, 19.8686, 31.5154



31.0265, 34.7799, 8.4469



8.2016, 8.0939, 9.3722



14.5600, 7.2865, 10.5944



0.4309, 0.2131, 0.4310

Previews

White Background



This preview shows how the XYZ color 16.7954, 19.0308, 43.3455 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 16.7954, 19.0308, 43.3455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

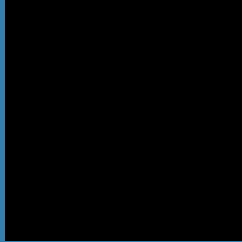
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7954, 19.0308, 43.3455

Background



This preview shows how black text looks on a background with the XYZ color 16.7954, 19.0308, 43.3455.

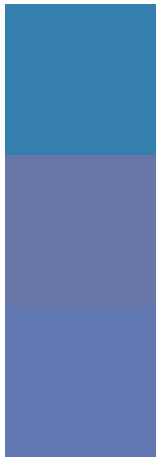


This preview shows how white text looks on a background with the XYZ color 16.7954, 19.0308,

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

16.7954, 19.0308, 43.3455

Protanopia

19.3720, 18.7873, 39.6511

Deuteranopia

19.3565, 18.8548, 44.2141



Tritanopia

13.9570, 19.0647, 29.3298

Trichromacy



Original Color

16.7954, 19.0308, 43.3455

Protanomaly

18.0258, 18.5935, 41.1669

Deuteranomaly

18.1043, 18.7591, 43.7410

Tritanomaly

14.8320, 19.0112, 33.8981

Monochromacy



Original Color

16.7954, 19.0308, 43.3455

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.6683, 16.3359, 24.9343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7954, 19.0308, 43.3455 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(53, 127, 175)` looks like.

```
.text, #text, p{  
    color:rgb(53, 127, 175)  
}
```

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(53, 127, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 127, 175) }
```

Border

The CSS property to change the border of an element to XYZ 16.7954, 19.0308, 43.3455 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(53, 127, 175) }
```


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

```
.border{ border-color:rgb(53, 127, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 127, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 127, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 127, 175);  
box-shadow:4px 4px 4px 4px rgb(53, 127,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7954, 19.0308, 43.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 127, 175) }
```

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

```
.background{ background-color: rgb(53, 127,  
175) }
```

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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