

Converting Colors

XYZ(18.3700, 19.4157, 45.4228)

Have a look what the booklet for
XYZ(18.3700, 19.4157, 45.4228)
contains.

XYZ(18.3719, 19.4178, 45.4275)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.3719, 19.4178,
45.4275)**

Conversions

Conversions Part 1

Format	Color
Hex	4B7DB3
RGB	75, 125, 179
RGB Percent	29%, 49%, 70%
CMY	0.7059, 0.5098, 0.2980
CMYK	0.58, 0.30, 0.00, 0.30
HSL	211°, 41%, 50%
HSV	211°, 58%, 70%
XYZ	18.3719, 19.4178, 45.4275
YIQ	116.2060, -47.1340, 6.1940

Conversions

Conversions Part 2

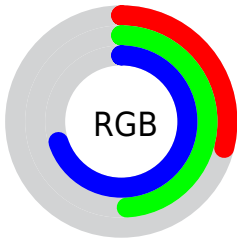
Format	Color
R_{YB}	75, 109, 179
Decimal	4947379
CIE _{Lab}	51.17, -0.44, -33.63
CIE _{LCh}	51, 33.634, 269.249
Yxy	19.4178, 0.2208, 0.2333
Android (android.graphics.Color)	4283137459 (0xFF4B7DB3)
YUV	116.2060, 30.9574, -36.1377
Hunter-Lab	44.0656, -2.6944, -30.2764

Details

The XYZ color **18.3719, 19.4178, 45.4275** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.7113, 25.7931, 10.1754**, and the grayscale version is **16.5826, 17.4462, 18.9989**.

A 20% lighter version of the original color is **40.0776, 42.2677, 84.6434**, and **6.3503, 6.6752, 20.6924** is the 20% darker color. If you saturate the color by 10%, you get **16.0418, 16.5511, 44.9974**, and if you desaturate by 10%, it is **21.2074, 22.7091, 45.9137**.

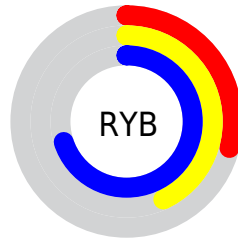
Distribution



Red (29%)

Green (49%)

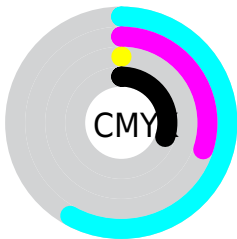
Blue (70%)



Red (29%)

Yellow (43%)

Blue (70%)

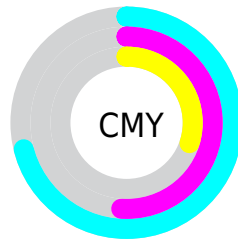


Cyan (58%)

Magenta (30%)

Yellow (0%)

Black (30%)



Cyan (71%)

Magenta (51%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3719, 19.4178, 45.4275 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 18.3719, 19.4178, 45.4275 by changing the saturation by 10% instead.

■ 18.3719, 19.4178,
45.4275

■ 18.3719, 19.4178,
45.4275

235.9642,
248.7456, 384.7127

■ 11.3186, 11.9726,
31.4489

■ 40.1952, 42.4389,
84.6868

■ 6.3504, 6.7250,
20.6796

■ 55.6958, 58.7835,
110.8045

■ 3.1020, 3.2907,
12.7010

■ 74.7430, 78.8635,
141.8058

■ 1.2079, 1.2853,
7.0947

■ 97.7021, 103.0630,
178.1090

■ 0.1126, 0.1298,
3.4421

■ 124.9384,
131.7666, 220.1327

■ 0.0000, 0.0000,
1.3245

156.8173,

■ 0.0000, 0.0000,

165.3587, 268.2956

0.0818

193.7041,
204.2235, 323.0161

■ 0.0000, 0.0000,
0.0000

■ 18.3719, 19.4178,
45.4275

■ 18.3719, 19.4178,
45.4275

■ 16.0418, 16.5511,
44.9974

■ 21.2074, 22.7091,
45.9137

■ 14.1779, 14.0835,
44.6193

■ 24.5791, 26.4443,
46.4570

■ 12.7382, 11.9889,
44.2909

■ 28.5176, 30.6436,
47.0599

■ 11.6547, 10.2274,
44.0080

■ 33.0505, 35.3251,
47.7247

■ 11.4691, 9.9195,
43.9583

■ 38.2035, 40.5061,
48.4531

■ 44.0006, 46.2026,
49.2471

■ 50.4646, 52.4300,
50.1084

■ 57.6170, 59.2029,
51.0387

■ 65.4785, 66.5354,
52.0397

Harmonies

Analogous

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



15.3589, 19.4178, 41.2526



18.3719, 19.4178, 45.4275



21.7804, 19.4178, 41.6306

Triad

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



18.3719, 19.4178, 45.4275



24.6558, 19.4178, 13.3591



13.4620, 19.4178, 13.0537

Complementary

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



18.3719, 19.4178, 45.4275



27.7113, 25.7931, 10.1754

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.



15.4884, 19.4178, 8.7994



18.3719, 19.4178, 45.4275



21.9438, 19.4178, 8.9346

Square

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



18.3719, 19.4178, 45.4275



25.6632, 19.4178, 21.3849



18.5404, 19.4178, 7.5549



12.7429, 19.4178, 20.9023

Rectangle

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



18.3719, 19.4178, 45.4275



23.7699, 19.4178, 35.5903



18.5404, 19.4178, 7.5549



13.9998, 19.4178, 11.2540

Sweetspot

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



18.3726, 19.4185, 45.4280



59.8988, 63.9849, 85.5745



22.9671, 35.3144, 26.2827



12.8919, 13.7900, 18.9045



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.3726, 19.4185, 45.4280



27.6149, 28.2052, 80.3699



13.6925, 9.8543, 43.8286



8.3678, 8.8818, 10.7797



8.1691, 7.1385, 31.0843



0.3156, 0.3416, 0.9975

Inverse Universe

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



24.8087, 16.0972, 21.2022



40.7833, 23.6254, 30.3067



35.5828, 42.1271, 12.9133



8.6608, 8.5711, 9.7124



14.3580, 7.2608, 7.0453



0.4813, 0.2403, 0.3772

Previews

White Background



This preview shows how the XYZ color 18.3719, 19.4178, 45.4275 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 18.3719, 19.4178, 45.4275 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 18.3719, 19.4178, 45.4275

Background



This preview shows how black text looks on a background with the XYZ color 18.3719, 19.4178, 45.4275.

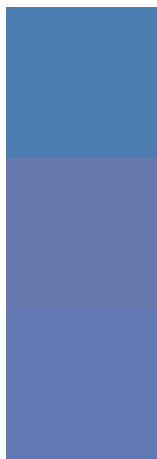


This preview shows how white text looks on a background with the XYZ color 18.3719, 19.4178,

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

18.3719, 19.4178, 45.4275

Protanopia

20.1633, 19.4711, 43.2530

Deuteranopia

19.8995, 19.4568, 45.8867



Tritanopia

15.0727, 19.4464, 28.9457

Trichromacy



Original Color

18.3719, 19.4178, 45.4275

Protanomaly

19.3102, 19.3808, 43.7974

Deuteranomaly

19.2223, 19.2891, 45.8901

Tritanomaly

16.0310, 19.2246, 34.3183

Monochromacy



Original Color

18.3719, 19.4178, 45.4275

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6239, 17.8244, 26.9904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3719, 19.4178, 45.4275 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(75, 125, 179)` looks like.

```
.text, #text, p{  
    color:rgb(75, 125, 179)  
}
```

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(75, 125, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 125, 179) }
```

Border

The CSS property to change the border of an element to XYZ 18.3719, 19.4178, 45.4275 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(75, 125, 179) }
```


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

```
.border{ border-color:rgb(75, 125, 179) }
```

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

Here you see how a box with a 4 pixel rgb(75, 125, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 125, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 125, 179);  
box-shadow:4px 4px 4px 4px rgb(75, 125,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3719, 19.4178, 45.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 125, 179) }
```

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

```
.background{ background-color: rgb(75, 125,  
179) }
```

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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