

Converting Colors

XYZ(17.3546, 19.0914, 48.5040)

Have a look what the booklet for
XYZ(17.3546, 19.0914, 48.5040)
contains.

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Color

**XYZ(17.3445, 19.0053,
48.6532)**

Conversions

Conversions Part 1

Format	Color
Hex	2E7EB9
RGB	46, 126, 185
RGB Percent	18%, 49%, 73%
CMY	0.8196, 0.5059, 0.2745
CMYK	0.75, 0.32, 0.00, 0.27
HSL	205°, 60%, 45%
HSV	205°, 75%, 73%
XYZ	17.3445, 19.0053, 48.6532
YIQ	108.8060, -66.6190, 1.3890

Conversions

Conversions Part 2

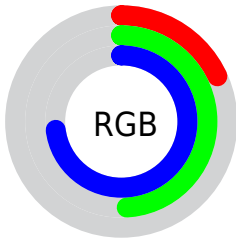
Format	Color
R_{YB}	46, 97, 185
Decimal	3047097
CIE _{Lab}	50.69, -3.87, -37.91
CIE _{LCh}	51, 38.110, 264.174
Yxy	19.0053, 0.2040, 0.2236
Android (android.graphics.Color)	4281237177 (0xFF2E7EB9)
YUV	108.8060, 37.5636, -55.0809
Hunter-Lab	43.5951, -5.2743, -35.6526

Details

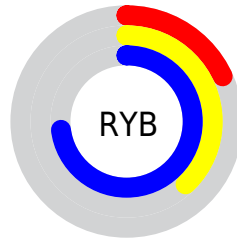
The XYZ color **17.3445, 19.0053, 48.6532** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **25.5536, 20.6167, 5.2184**, and the grayscale version is **14.3925, 15.1420, 16.4897**.

A 20% lighter version of the original color is **38.3531, 41.5712, 89.2217**, and **6.8187, 6.9737, 22.8165** is the 20% darker color. If you saturate the color by 10%, you get **15.7185, 16.7347, 48.3010**, and if you desaturate by 10%, it is **19.4097, 21.6199, 49.0494**.

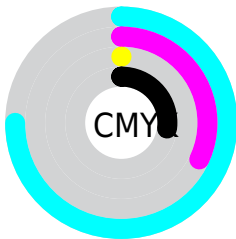
Distribution



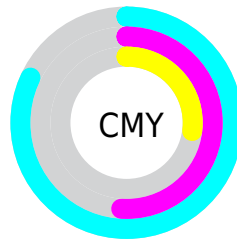
- Red (18%)
- Green (49%)
- Blue (73%)



- Red (18%)
- Yellow (38%)
- Blue (73%)



- Cyan (75%)
- Magenta (32%)
- Yellow (0%)
- Black (27%)



- Cyan (82%)
- Magenta (51%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3445, 19.0053, 48.6532 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 17.3445, 19.0053, 48.6532 by changing the saturation by 10% instead.

■ 17.3445, 19.0053,
48.6532

■ 17.3445, 19.0053,
48.6532

230.2676,
246.4780, 397.9586

■ 10.5772, 11.6741,
33.9808

■ 38.4561, 41.7431,
89.5518

■ 5.8485, 6.5222,
22.6016

■ 53.5311, 57.9184,
116.6151

■ 2.7930, 3.1651,
14.0971

■ 72.1060, 77.8106,
148.6458

■ 1.0452, 1.2185,
8.0487

■ 94.5463, 101.8040,
186.0623

■ 0.0000, 0.0768,
4.0379

■ 121.2172,
130.2831, 229.2834

■ 0.0000, 0.0000,
1.6462

152.4842,

■ 0.0000, 0.0000,

163.6322, 278.7274

0.3234

188.7125,
202.2357, 334.8130

■ 0.0000, 0.0000,
0.0000

■ 17.3445, 19.0053,
48.6532

■ 17.3445, 19.0053,
48.6532

■ 15.7185, 16.7347,
48.3010

■ 19.4097, 21.6199,
49.0494

■ 14.4777, 14.7767,
47.9885

■ 21.9547, 24.6013,
49.4907

■ 13.9597, 13.9082,
47.8482

■ 25.0175, 27.9717,
49.9799

■ 28.6312, 31.7506,
50.5188

■ 32.8261, 35.9561,
51.1095

■ 37.6301, 40.6048,
51.7536

■ 43.0692, 45.7124,
52.4527

■ 49.1678, 51.2935,
53.2086

■ 55.9491, 57.3623,
54.0226

Harmonies

Analogous

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



14.1767, 19.0053, 42.2604



17.3445, 19.0053, 48.6532



21.1686, 19.0053, 45.7121

Triad

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



17.3445, 19.0053, 48.6532



25.4429, 19.0053, 13.3596



12.8426, 19.0053, 10.8356

Complementary

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



17.3445, 19.0053, 48.6532



25.5536, 20.6167, 5.2184

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.



15.2788, 19.0053, 7.0262



17.3445, 19.0053, 48.6532



22.6038, 19.0053, 8.0925

Square

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



17.3445, 19.0053, 48.6532



26.1952, 19.0053, 22.8531



18.8031, 19.0053, 6.2318



11.8180, 19.0053, 18.6745

Rectangle

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



17.3445, 19.0053, 48.6532



23.5470, 19.0053, 39.2364



18.8031, 19.0053, 6.2318



13.5059, 19.0053, 9.1664

Sweetspot

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



17.3452, 19.0059, 48.6537



60.2196, 65.7987, 91.7311



20.9710, 36.2772, 18.9730



12.3592, 13.5716, 19.6898



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



17.3452, 19.0059, 48.6537



26.6693, 27.6867, 86.1430



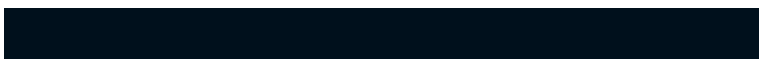
11.3768, 7.0691, 46.6642



8.9387, 9.5545, 11.4525



9.5786, 9.6170, 32.6045



0.3976, 0.4589, 1.1694

Inverse Universe

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



24.7511, 13.7755, 21.0935



41.5147, 21.2669, 29.9862



35.5250, 40.5595, 8.5422



9.2154, 9.0965, 10.4816



15.4485, 7.7532, 10.2487



0.5749, 0.2854, 0.5206

Previews

White Background



This preview shows how the XYZ color 17.3445, 19.0053, 48.6532 looks on a white background.

Color Contrast Check

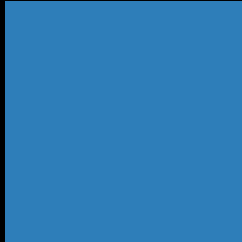
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3445, 19.0053, 48.6532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

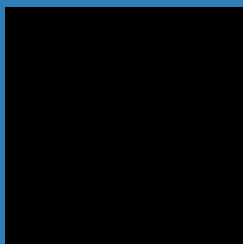
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

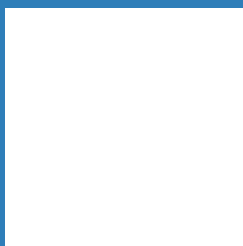
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.3445, 19.0053, 48.6532

Background



This preview shows how black text looks on a background with the XYZ color 17.3445, 19.0053, 48.6532.

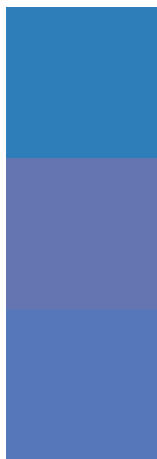


This preview shows how white text looks on a background with the XYZ color 17.3445, 19.0053,

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

17.3445, 19.0053, 48.6532

Protanopia

19.7698, 18.8805, 44.7218

Deuteranopia

19.3257, 18.9094, 49.0857



Tritanopia

13.4216, 18.7887, 29.3047

Trichromacy



Original Color

17.3445, 19.0053, 48.6532

Protanomaly

18.4861, 18.7164, 46.3544

Deuteranomaly

18.4210, 18.8038, 49.1130

Tritanomaly

14.4718, 18.5876, 35.6259

Monochromacy



Original Color

17.3445, 19.0053, 48.6532

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.4838, 16.0460, 26.0007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3445, 19.0053, 48.6532 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(46, 126, 185)` looks like.

```
.text, #text, p{  
    color:rgb(46, 126, 185)  
}
```

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(46, 126, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 126, 185) }
```

Border

The CSS property to change the border of an element to XYZ 17.3445, 19.0053, 48.6532 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(46, 126, 185) }
```


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

```
.border{ border-color:rgb(46, 126, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 126, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 126, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 126, 185);  
box-shadow:4px 4px 4px 4px rgb(46, 126,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3445, 19.0053, 48.6532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 126, 185) }
```

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

```
.background{ background-color: rgb(46, 126,  
185) }
```

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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