

Converting Colors

XYZ(17.2374, 18.3939, 41.1197)

Have a look what the booklet for
XYZ(17.2374, 18.3939, 41.1197)
contains.

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Color

**XYZ(17.2119, 18.3552,
41.1638)**

Conversions

Conversions Part 1

Format	Color
Hex	4B7AAB
RGB	75, 122, 171
RGB Percent	29%, 48%, 67%
CMY	0.7059, 0.5216, 0.3294
CMYK	0.56, 0.29, 0.00, 0.33
HSL	211°, 39%, 48%
HSV	211°, 56%, 67%
XYZ	17.2119, 18.3552, 41.1638
YIQ	113.5330, -43.7410, 5.2750

Conversions

Conversions Part 2

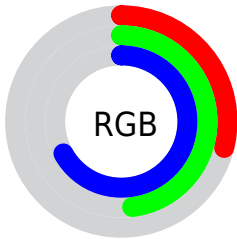
Format	Color
R_{YB}	75, 107, 171
Decimal	4946603
CIE _{Lab}	49.92, -1.28, -30.95
CIE _{LCh}	50, 30.980, 267.637
Yxy	18.3552, 0.2243, 0.2392
Android (android.graphics.Color)	4283136683 (0xFF4B7AAB)
YUV	113.5330, 28.3312, -33.7934
Hunter-Lab	42.8430, -3.2639, -26.9761

Details

The XYZ color **17.2119, 18.3552, 41.1638** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.2731, 23.5824, 9.8774**, and the grayscale version is **15.7827, 16.6047, 18.0825**.

A 20% lighter version of the original color is **38.2071, 40.5640, 78.4889**, and **5.7814, 6.2378, 18.0389** is the 20% darker color. If you saturate the color by 10%, you get **15.0258, 15.7083, 40.7685**, and if you desaturate by 10%, it is **19.8550, 21.3812, 41.6089**.

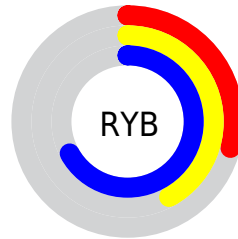
Distribution



Red (29%)

Green (48%)

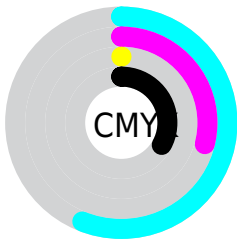
Blue (67%)



Red (29%)

Yellow (42%)

Blue (67%)

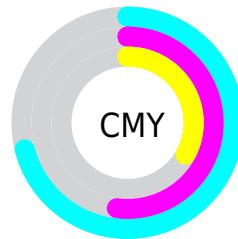


Cyan (56%)

Magenta (29%)

Yellow (0%)

Black (33%)



Cyan (71%)

Magenta (52%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2119, 18.3552, 41.1638 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 17.2119, 18.3552, 41.1638 by changing the saturation by 10% instead.

■ 17.2119, 18.3552,
41.1638

■ 17.2119, 18.3552,
41.1638

229.5231,
242.8656, 366.7016

■ 10.4819, 11.2053,
28.1264

■ 38.2305, 40.6417,
78.1889

■ 5.7843, 6.2051,
18.1811

■ 53.2497, 56.5470,
103.0136

■ 2.7538, 2.9702,
10.9093

■ 71.7628, 76.1396,
132.6046

■ 1.0249, 1.1162,
5.8925

■ 94.1351, 99.8039,
167.3803

■ 0.0000, 0.0000,
2.7121

■ 120.7319,
127.9242, 207.7594

■ 0.0000, 0.0000,
0.9495

151.9186,

■ 0.0000, 0.0000,

160.8850, 254.1602

0.0000

188.0605,
199.0707, 307.0015

■ 17.2119, 18.3552,
41.1638

■ 17.2119, 18.3552,
41.1638

■ 15.0258, 15.7083,
40.7685

■ 19.8550, 21.3812,
41.6089

■ 13.2628, 13.4184,
40.4194

■ 22.9819, 24.8028,
42.1046

■ 11.8866, 11.4632,
40.1145

■ 26.6193, 28.6377,
42.6530

■ 10.8488, 9.8136,
39.8508

■ 30.7914, 32.9015,
43.2562

■ 10.4991, 9.2371,
39.7580

■ 35.5208, 37.6092,
43.9156

■ 40.8285, 42.7748,
44.6329

■ 46.7347, 48.4117,
45.4096

■ 53.2582, 54.5326,
46.2473

■ 60.4174, 61.1500,
47.1472

Harmonies

Analogous

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



14.5665, 18.3552, 37.2111



17.2119, 18.3552, 41.1638



20.2291, 18.3552, 38.2400

Triad

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



17.2119, 18.3552, 41.1638



23.0051, 18.3552, 13.3232



13.0565, 18.3552, 12.4524

Complementary

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



17.2119, 18.3552, 41.1638



25.2731, 23.5824, 9.8774

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.



14.9308, 18.3552, 8.7228



17.2119, 18.3552, 41.1638



20.6821, 18.3552, 9.1162

Square

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



17.2119, 18.3552, 41.1638



23.7909, 18.3552, 20.6669



17.6823, 18.3552, 7.7007



12.3433, 18.3552, 19.3196

Rectangle

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



17.2119, 18.3552, 41.1638



22.0110, 18.3552, 33.1433



17.6823, 18.3552, 7.7007



13.5604, 18.3552, 10.8728

Sweetspot

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



17.2126, 18.3559, 41.1643



54.2258, 57.9959, 77.3382



21.0404, 32.0523, 23.8176



11.7580, 12.5941, 17.1989



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.2126, 18.3559, 41.1643



26.2041, 27.2422, 72.8790



12.7692, 9.4692, 39.6831



7.8904, 8.3803, 10.1544



7.9672, 7.0683, 29.9889



0.2765, 0.3065, 0.8526

Inverse Universe

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



22.8241, 15.0960, 20.1238



37.6614, 22.3734, 29.5195



32.6279, 38.2921, 12.3290



8.1625, 8.0783, 9.1666



13.8851, 7.0166, 7.0404



0.4140, 0.2063, 0.3418

Previews

White Background



This preview shows how the XYZ color 17.2119, 18.3552, 41.1638 looks on a white 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

Black Background



This preview shows how the XYZ color 17.2119, 18.3552, 41.1638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

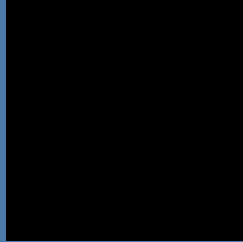
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2119, 18.3552, 41.1638

Background



This preview shows how black text looks on a background with the XYZ color 17.2119, 18.3552, 41.1638.

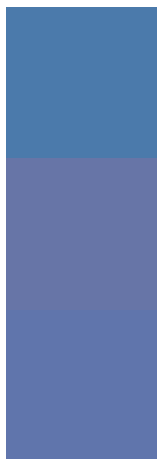


This preview shows how white text looks on a background with the XYZ color 17.2119, 18.3552,

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

17.2119, 18.3552, 41.1638

Protanopia

18.9299, 18.3962, 39.1123

Deuteranopia

18.6316, 18.1879, 41.5584



Tritanopia

14.3660, 18.3266, 27.2063

Trichromacy



Original Color

17.2119, 18.3552, 41.1638

Protanomaly

18.1789, 18.3480, 39.6292

Deuteranomaly

18.0677, 18.2469, 41.5995

Tritanomaly

15.3615, 18.3494, 32.0103

Monochromacy



Original Color

17.2119, 18.3552, 41.1638

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.9900, 17.1812, 25.3952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2119, 18.3552, 41.1638 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, 122, 171)` looks like.

```
.text, #text, p{  
    color:rgb(75, 122, 171)  
}
```

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, 122, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 122, 171) }
```

Border

The CSS property to change the border of an element to XYZ 17.2119, 18.3552, 41.1638 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, 122, 171) }
```


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

```
.border{ border-color:rgb(75, 122, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 122, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 122, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 122, 171);  
box-shadow:4px 4px 4px 4px rgb(75, 122,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2119, 18.3552, 41.1638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 122, 171) }
```

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

```
.background{ background-color: rgb(75, 122,  
171) }
```

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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