

Converting Colors

XYZ(16.2775, 17.5526, 38.1278)

Have a look what the booklet for
XYZ(16.2775, 17.5526, 38.1278)
contains.

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Color

**XYZ(16.3320, 17.6054,
38.1347)**

Conversions

Conversions Part 1

Format	Color
Hex	4A78A5
RGB	74, 120, 165
RGB Percent	29%, 47%, 65%
CMY	0.7098, 0.5294, 0.3529
CMYK	0.55, 0.27, 0.00, 0.35
HSL	210°, 38%, 47%
HSV	210°, 55%, 65%
XYZ	16.3320, 17.6054, 38.1347
YIQ	111.3760, -41.8610, 4.2430

Conversions

Conversions Part 2

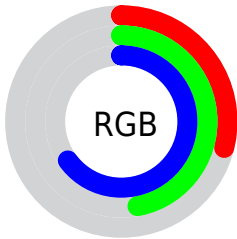
Format	Color
R_{YB}	74, 105, 165
Decimal	4880549
CIE _{Lab}	49.01, -2.26, -28.88
CIE _{LCh}	49, 28.973, 265.528
Yxy	17.6054, 0.2266, 0.2443
Android (android.graphics.Color)	4283070629 (0xFF4A78A5)
YUV	111.3760, 26.4366, -32.7788
Hunter-Lab	41.9588, -3.9487, -24.5152

Details

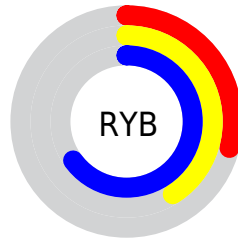
The XYZ color **16.3320, 17.6054, 38.1347** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.3505, 21.6881, 9.4347**, and the grayscale version is **15.1534, 15.9426, 17.3615**.

A 20% lighter version of the original color is **36.7241, 39.3395, 73.3679**, and **5.3856, 5.8722, 16.4724** is the 20% darker color. If you saturate the color by 10%, you get **14.2846, 15.1550, 37.7700**, and if you desaturate by 10%, it is **18.7974, 20.3961, 38.5438**.

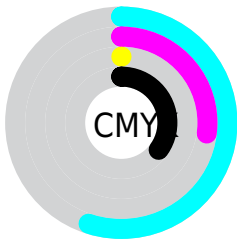
Distribution



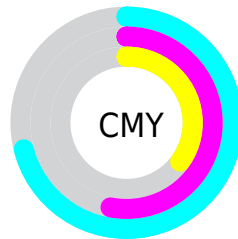
- Red (29%)
- Green (47%)
- Blue (65%)



- Red (29%)
- Yellow (41%)
- Blue (65%)



- Cyan (55%)
- Magenta (27%)
- Yellow (0%)
- Black (35%)



- Cyan (71%)
- Magenta (53%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3320, 17.6054, 38.1347 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 16.3320, 17.6054, 38.1347 by changing the saturation by 10% instead.

■ 16.3320, 17.6054,
38.1347

■ 16.3320, 17.6054,
38.1347

224.5250,
238.6374, 353.5129

■ 9.8517, 10.6671,
25.7846

■ 36.7264, 39.3638,
73.5203

■ 5.3623, 5.8434,
16.4383

■ 51.3713, 54.9526,
97.3928

■ 2.4983, 2.7501,
9.6771

■ 69.4684, 74.1937,
125.9433

■ 0.8944, 1.0027,
5.0826

■ 91.3831, 97.4715,
159.5902

■ 0.0000, 0.0000,
2.2362

■ 117.4807,
125.1704, 198.7520

■ 0.0000, 0.0000,
0.6952

148.1267,

■ 0.0000, 0.0000,

157.6747, 243.8474

0.0000

183.6863,
195.3689, 295.2949

■ 16.3320, 17.6054,
38.1347

■ 16.3320, 17.6054,
38.1347

■ 14.2846, 15.1550,
37.7700

■ 18.7974, 20.3961,
38.5438

■ 12.6247, 13.0251,
37.4463

■ 21.7049, 23.5415,
38.9976

■ 11.3199, 11.1961,
37.1621

■ 25.0784, 27.0571,
39.4984

■ 10.3295, 9.6438,
36.9147

■ 28.9398, 30.9571,
40.0477

■ 9.9160, 8.9655,
36.8055

■ 33.3094, 35.2545,
40.6469

■ 38.2063, 39.9618,
41.2974

■ 43.6486, 45.0909,
42.0005

■ 49.6534, 50.6531,
42.7577

■ 56.2371, 56.6593,
43.5700

Harmonies

Analogous

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



13.9644, 17.6054, 34.2199



16.3320, 17.6054, 38.1347



19.0713, 17.6054, 35.9538

Triad

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



16.3320, 17.6054, 38.1347



21.8673, 17.6054, 13.4506



12.8090, 17.6054, 11.9270

Complementary

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



16.3320, 17.6054, 38.1347



23.3505, 21.6881, 9.4347

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.



14.5949, 17.6054, 8.6415



16.3320, 17.6054, 38.1347



19.8463, 17.6054, 9.3409

Square

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



16.3320, 17.6054, 38.1347



22.4594, 17.6054, 20.3517



17.1413, 17.6054, 7.8410



12.0741, 17.6054, 18.0336

Rectangle

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



16.3320, 17.6054, 38.1347



20.7170, 17.6054, 31.5818



17.1413, 17.6054, 7.8410



13.2963, 17.6054, 10.5279

Sweetspot

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



16.3326, 17.6060, 38.1351



50.2577, 53.8719, 71.5018



19.5487, 29.6742, 21.8324



10.6968, 11.4856, 15.5907



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.3326, 17.6060, 38.1351



24.9151, 26.3096, 67.5174



12.1674, 9.2757, 36.7467



6.9825, 7.4240, 8.9680



7.5516, 6.8827, 27.8603



0.2059, 0.2391, 0.6011

Inverse Universe

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



21.3565, 14.2536, 19.3955



35.2175, 21.0913, 28.7169



29.9367, 34.8605, 11.6301



7.2161, 7.1429, 8.1246



12.9572, 6.5389, 6.9651



0.2961, 0.1469, 0.2719

Previews

White Background



This preview shows how the XYZ color 16.3320, 17.6054, 38.1347 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 16.3320, 17.6054, 38.1347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

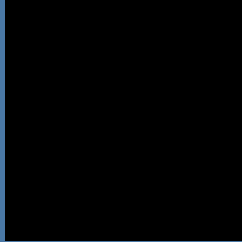
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.3320, 17.6054, 38.1347

Background



This preview shows how black text looks on a background with the XYZ color 16.3320, 17.6054, 38.1347.

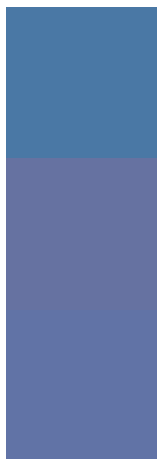


This preview shows how white text looks on a background with the XYZ color 16.3320, 17.6054,

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

16.3320, 17.6054, 38.1347

Protanopia

17.9298, 17.4326, 36.1380

Deuteranopia

17.9434, 17.5560, 38.5193



Tritanopia

13.9547, 17.7560, 25.9843

Trichromacy



Original Color

16.3320, 17.6054, 38.1347

Protanomaly

17.1806, 17.3747, 36.6306

Deuteranomaly

17.3640, 17.5996, 38.5583

Tritanomaly

14.7889, 17.7152, 30.2437

Monochromacy



Original Color

16.3320, 17.6054, 38.1347

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.1511, 16.2700, 23.8146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3320, 17.6054, 38.1347 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, 120, 165)` looks like.

```
.text, #text, p{  
    color:rgb(74, 120, 165)  
}
```

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, 120, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 120, 165) }
```

Border

The CSS property to change the border of an element to XYZ 16.3320, 17.6054, 38.1347 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, 120, 165) }
```


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

```
.border{ border-color:rgb(74, 120, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 120, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 120, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 120, 165);  
box-shadow:4px 4px 4px 4px rgb(74, 120,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3320, 17.6054, 38.1347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 120, 165) }
```

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

```
.background{ background-color: rgb(74, 120,  
165) }
```

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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