

Converting Colors

XYZ(17.8218, 18.2002, 45.2250)

Have a look what the booklet for
XYZ(17.8218, 18.2002, 45.2250)
contains.

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Color

**XYZ(17.8336, 18.2241,
45.2255)**

Conversions

Conversions Part 1

Format	Color
Hex	4C78B3
RGB	76, 120, 179
RGB Percent	30%, 47%, 70%
CMY	0.7019, 0.5294, 0.2980
CMYK	0.58, 0.33, 0.00, 0.30
HSL	214°, 40%, 50%
HSV	214°, 58%, 70%
XYZ	17.8336, 18.2241, 45.2255
YIQ	113.5700, -45.1630, 9.0210

Conversions

Conversions Part 2

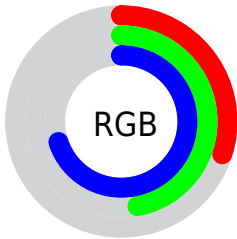
Format	Color
R_{YB}	76, 107, 179
Decimal	5011635
CIE _{Lab}	49.77, 2.77, -35.83
CIE _{LCh}	50, 35.939, 274.415
Yxy	18.2241, 0.2194, 0.2242
Android (android.graphics.Color)	4283201715 (0xFF4C78B3)
YUV	113.5700, 32.2570, -32.9489
Hunter-Lab	42.6897, -0.1387, -32.9291

Details

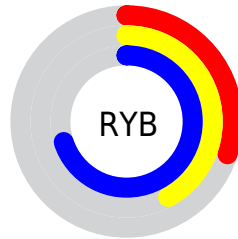
The XYZ color **17.8336, 18.2241, 45.2255** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **28.5597, 27.4346, 10.6284**, and the grayscale version is **15.7827, 16.6046, 18.0824**.

A 20% lighter version of the original color is **39.2636, 40.4087, 84.3275**, and **6.0958, 6.1475, 20.6040** is the 20% darker color. If you saturate the color by 10%, you get **15.4365, 15.2549, 44.7791**, and if you desaturate by 10%, it is **20.7597, 21.6626, 45.7353**.

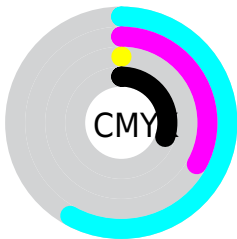
Distribution



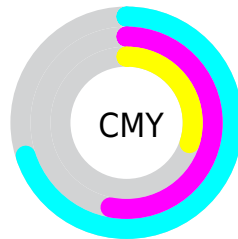
- Red (30%)
- Green (47%)
- Blue (70%)



- Red (30%)
- Yellow (42%)
- Blue (70%)



- Cyan (58%)
- Magenta (33%)
- Yellow (0%)
- Black (30%)



- Cyan (70%)
- Magenta (53%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8336, 18.2241, 45.2255 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 17.8336, 18.2241, 45.2255 by changing the saturation by 10% instead.

■ 17.8336, 18.2241,
45.2255

■ 17.8336, 18.2241,
45.2255

232.9952,
242.1312, 383.8728

■ 10.9296, 11.1110,
31.2908

■ 39.2859, 40.4188,
84.3807

■ 6.0864, 6.1415,
20.5601

■ 54.5648, 56.2692,
110.4384

■ 2.9389, 2.9313,
12.6147

■ 73.3661, 75.8009,
141.3741

■ 1.1215, 1.0960,
7.0362

■ 96.0551, 99.3981,
177.6064

■ 0.0430, 0.0000,
3.4060

■ 122.9972,
127.4454, 219.5539

■ 0.0000, 0.0000,
1.3055

154.5576,

■ 0.0000, 0.0000,

160.3270, 267.6351

0.0663

191.1019,
198.4275, 322.2686

■ 0.0000, 0.0000,
0.0000

■ 17.8336, 18.2241,
45.2255

■ 17.8336, 18.2241,
45.2255

■ 15.4365, 15.2549,
44.7791

■ 20.7597, 21.6626,
45.7353

■ 13.5286, 12.7276,
44.3918

■ 24.2466, 25.5919,
46.3100

■ 12.0668, 10.6137,
44.0608

■ 28.3259, 30.0341,
46.9524

■ 10.9869, 8.8732,
43.7818

■ 33.0258, 35.0092,
47.6650

■ 10.7533, 8.4878,
43.7197

■ 38.3730, 40.5362,
48.4500

■ 44.3922, 46.6328,
49.3095

■ 51.1070, 53.3160,
50.2456

■ 58.5397, 60.6021,
51.2602

■ 66.7116, 68.5066,
52.3552

Harmonies

Analogous

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



14.6294, 18.2241, 42.1891



17.8336, 18.2241, 45.2255



21.3181, 18.2241, 39.8327

Triad

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



17.8336, 18.2241, 45.2255



23.3446, 18.2241, 10.9754



12.0330, 18.2241, 12.7594

Complementary

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



17.8336, 18.2241, 45.2255



28.5597, 27.4346, 10.6284

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.



13.8584, 18.2241, 7.9929



17.8336, 18.2241, 45.2255



20.3251, 18.2241, 7.2266

Square

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



17.8336, 18.2241, 45.2255



24.7552, 18.2241, 18.4256



16.8192, 18.2241, 6.3497



11.5483, 18.2241, 21.3312

Rectangle

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



17.8336, 18.2241, 45.2255



23.2506, 18.2241, 32.9716



16.8192, 18.2241, 6.3497



12.4971, 18.2241, 10.7642

Sweetspot

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



17.8343, 18.2247, 45.2260



59.3752, 62.9377, 85.3999



23.4299, 35.5087, 28.3084



12.7646, 13.5354, 18.8621



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.



17.8343, 18.2247, 45.2260



26.6670, 26.0577, 80.0053



14.2774, 10.2573, 43.8756



8.3305, 8.8071, 10.7672



7.6607, 6.1217, 30.9148



0.2994, 0.3093, 0.9922

Inverse Universe

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



24.5656, 16.1094, 19.5845



40.3663, 23.6938, 27.3854



34.4676, 41.5482, 13.0413



8.6420, 8.5635, 9.6132



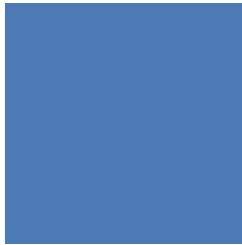
14.1014, 7.1581, 5.6939



0.4731, 0.2370, 0.3342

Previews

White Background



This preview shows how the XYZ color 17.8336, 18.2241, 45.2255 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 17.8336, 18.2241, 45.2255 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 17.8336, 18.2241, 45.2255

Background



This preview shows how black text looks on a background with the XYZ color 17.8336, 18.2241, 45.2255.

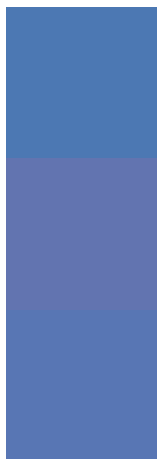


This preview shows how white text looks on a background with the XYZ color 17.8336, 18.2241,

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

17.8336, 18.2241, 45.2255

Protanopia

19.1189, 18.2220, 43.5838

Deuteranopia

18.7412, 18.3269, 45.7297



Tritanopia

14.1102, 18.2031, 26.8146

Trichromacy



Original Color

17.8336, 18.2241, 45.2255

Protanomaly

18.5136, 18.0706, 44.1072

Deuteranomaly

18.4912, 18.3738, 45.7519

Tritanomaly

15.2634, 18.0910, 32.8244

Monochromacy



Original Color

17.8336, 18.2241, 45.2255

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.0884, 17.0351, 26.4849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8336, 18.2241, 45.2255 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(76, 120, 179)` looks like.

```
.text, #text, p{  
    color:rgb(76, 120, 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(76, 120, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 120, 179) }
```

Border

The CSS property to change the border of an element to XYZ 17.8336, 18.2241, 45.2255 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(76, 120, 179) }
```


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

```
.border{ border-color:rgb(76, 120, 179) }
```

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

Here you see how a box with a 4 pixel rgb(76, 120, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 120, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 120, 179);  
box-shadow:4px 4px 4px 4px rgb(76, 120,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8336, 18.2241, 45.2255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 120, 179) }
```

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

```
.background{ background-color: rgb(76, 120,  
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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