

Converting Colors

XYZ(17.7889, 17.6356, 43.0244)

Have a look what the booklet for
XYZ(17.7889, 17.6356, 43.0244)
contains.

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Color

**XYZ(17.8455, 17.7490,
43.0428)**

Conversions

Conversions Part 1

Format	Color
Hex	5575AF
RGB	85, 117, 175
RGB Percent	33%, 46%, 69%
CMY	0.6666, 0.5412, 0.3137
CMYK	0.51, 0.33, 0.00, 0.31
HSL	219°, 36%, 51%
HSV	219°, 51%, 69%
XYZ	17.8455, 17.7490, 43.0428
YIQ	114.0440, -37.6900, 11.2540

Conversions

Conversions Part 2

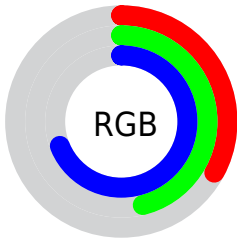
Format	Color
R_{YB}	85, 109, 175
Decimal	5600687
CIE Lab	49.19, 5.32, -34.39
CIE LCh	49, 34.795, 278.787
Yxy	17.7490, 0.2269, 0.2257
Android (android.graphics.Color)	4283790767 (0xFF5575AF)
YUV	114.0440, 30.0513, -25.4716
Hunter-Lab	42.1296, 1.8834, -31.0845

Details

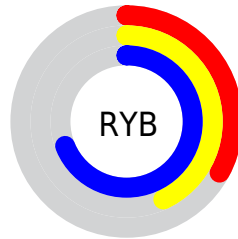
The XYZ color **17.8455, 17.7490, 43.0428** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **29.1423, 29.4161, 12.7372**, and the grayscale version is **15.9288, 16.7584, 18.2499**.

A 20% lighter version of the original color is **39.4270, 39.7209, 81.1902**, and **6.0670, 5.8810, 19.2277** is the 20% darker color. If you saturate the color by 10%, you get **15.2130, 14.5575, 42.5659**, and if you desaturate by 10%, it is **21.0305, 21.4610, 43.5918**.

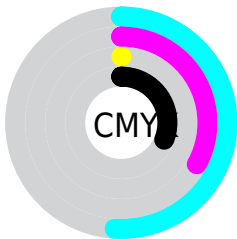
Distribution



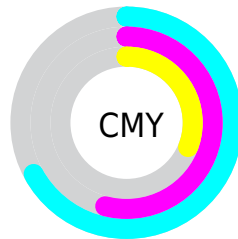
- Red (33%)
- Green (46%)
- Blue (69%)



- Red (33%)
- Yellow (43%)
- Blue (69%)



- Cyan (51%)
- Magenta (33%)
- Yellow (0%)
- Black (31%)



- Cyan (67%)
- Magenta (54%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8455, 17.7490, 43.0428 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 17.8455, 17.7490, 43.0428 by changing the saturation by 10% instead.

■ 17.8455, 17.7490,
43.0428

■ 17.8455, 17.7490,
43.0428

233.0612,
239.4525, 374.7141

■ 10.9381, 10.7699,
29.5870

■ 39.3060, 39.6092,
81.0625

■ 6.0922, 5.9124,
19.2760

■ 54.5899, 55.2590,
106.4635

■ 2.9424, 2.7919,
11.6910

■ 73.3967, 74.5680,
136.6834

■ 1.1234, 1.0241,
6.4137

■ 96.0917, 97.9204,
172.1406

■ 0.0446, 0.0000,
3.0254

123.0403,
125.7006, 213.2538

■ 0.0000, 0.0000,
1.1076

154.6078,

■ 0.0000, 0.0000,

158.2931, 260.4414

0.0000

191.1597,
196.0823, 314.1220

■ 17.8455, 17.7490,
43.0428

■ 17.8455, 17.7490,
43.0428

■ 15.2130, 14.5575,
42.5659

■ 21.0305, 21.4610,
43.5918

■ 13.0960, 11.8582,
42.1564

■ 24.7980, 25.7158,
44.2145

■ 11.4554, 9.6225,
41.8114

■ 29.1777, 30.5368,
44.9142

■ 10.2452, 7.8171,
41.5267

■ 34.1969, 35.9452,
45.6935

■ 9.4725, 6.5643,
41.3256

■ 39.8812, 41.9610,
46.5551

■ 46.2546, 48.6032,
47.5013

■ 53.3398, 55.8902,
48.5344

■ 61.1588, 63.8393,
49.6566

■ 69.7322, 72.4672,
50.8701

Harmonies

Analogous

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



14.7024, 17.7490, 41.3508



17.8455, 17.7490, 43.0428



21.1081, 17.7490, 36.9630

Triad

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



17.8455, 17.7490, 43.0428



22.2415, 17.7490, 10.1219



11.6761, 17.7490, 13.5318

Complementary

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



17.8455, 17.7490, 43.0428



29.1423, 29.4161, 12.7372

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.



13.2408, 17.7490, 8.4399



17.8455, 17.7490, 43.0428



19.2406, 17.7490, 6.9580

Square

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



17.8455, 17.7490, 43.0428



23.8521, 17.7490, 16.7114



15.9305, 17.7490, 6.4615



11.4035, 17.7490, 22.1992

Rectangle

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



17.8455, 17.7490, 43.0428



22.8173, 17.7490, 30.1984



15.9305, 17.7490, 6.4615



12.0577, 17.7490, 11.4370

Sweetspot

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



17.8462, 17.7496, 43.0432



57.6609, 60.5364, 81.2825



23.9595, 34.5448, 30.9971



12.4024, 13.0095, 18.0017



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



17.8462, 17.7496, 43.0432



26.5602, 25.2171, 76.1044



15.9170, 12.1345, 42.0611



7.8032, 8.2058, 10.1253



6.8369, 4.8077, 29.6121



0.2427, 0.2388, 0.8413

Inverse Universe

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



24.1392, 16.8962, 18.8191



39.4729, 24.8021, 26.0994



32.0745, 39.1028, 14.4524



8.1185, 8.0606, 8.9347



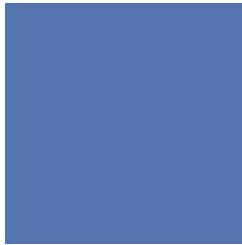
13.3146, 6.7884, 4.0361



0.3969, 0.1994, 0.2519

Previews

White Background



This preview shows how the XYZ color 17.8455, 17.7490, 43.0428 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 17.8455, 17.7490, 43.0428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

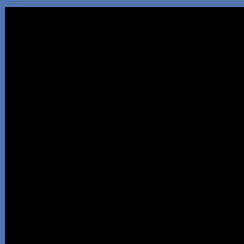
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

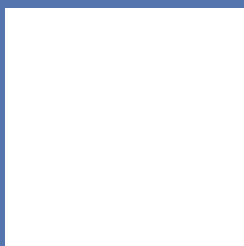
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8455, 17.7490, 43.0428

Background



This preview shows how black text looks on a background with the XYZ color 17.8455, 17.7490, 43.0428.



This preview shows how white text looks on a background with the XYZ color 17.8455, 17.7490,

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

17.8455, 17.7490, 43.0428

Protanopia

18.6033, 17.8200, 41.9943

Deuteranopia

18.1031, 17.7098, 43.0216



Tritanopia

14.3793, 17.7942, 25.5984

Trichromacy



Original Color

17.8455, 17.7490, 43.0428

Protanomaly

18.3996, 17.8739, 42.5247

Deuteranomaly

18.0078, 17.6606, 43.0172

Tritanomaly

15.5251, 17.6989, 31.4521

Monochromacy



Original Color

17.8455, 17.7490, 43.0428

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1682, 16.9226, 25.7068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8455, 17.7490, 43.0428 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(85, 117, 175)` looks like.

```
.text, #text, p{  
    color:rgb(85, 117, 175)  
}
```

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(85, 117, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 117, 175) }
```

Border

The CSS property to change the border of an element to XYZ 17.8455, 17.7490, 43.0428 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(85, 117, 175) }
```


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

```
.border{ border-color:rgb(85, 117, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 117, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 117, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 117, 175);  
box-shadow:4px 4px 4px 4px rgb(85, 117,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8455, 17.7490, 43.0428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 117, 175) }
```

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

```
.background{ background-color: rgb(85, 117,  
175) }
```

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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