

Converting Colors

XYZ(17.7495, 17.4460, 46.6879)

Have a look what the booklet for
XYZ(17.7495, 17.4460, 46.6879)
contains.

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Color

**XYZ(17.7495, 17.4460,
46.6879)**

Conversions

Conversions Part 1

Format	Color
Hex	4D74B6
RGB	77, 116, 182
RGB Percent	30%, 45%, 71%
CMY	0.6980, 0.5451, 0.2863
CMYK	0.58, 0.36, 0.00, 0.29
HSL	218°, 42%, 51%
HSV	218°, 58%, 71%
XYZ	17.7495, 17.4460, 46.6879
YIQ	111.8630, -44.4300, 12.2580

Conversions

Conversions Part 2

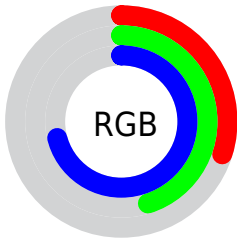
Format	Color
R_{YB}	77, 105, 182
Decimal	5076150
CIE _{Lab}	48.82, 6.41, -39.06
CIE _{LCh}	49, 39.584, 279.318
Yxy	17.4460, 0.2168, 0.2131
Android (android.graphics.Color)	4283266230 (0xFF4D74B6)
YUV	111.8630, 34.5775, -30.5749
Hunter-Lab	41.7684, 2.7589, -37.0353

Details

The XYZ color **17.7495, 17.4460, 46.6879** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **30.4545, 30.1274, 11.2323**, and the grayscale version is **15.2730, 16.0683, 17.4984**.

A 20% lighter version of the original color is **39.1081, 39.1649, 86.3873**, and **6.0421, 5.7257, 21.5556** is the 20% darker color. If you saturate the color by 10%, you get **15.2427, 14.3153, 46.2161**, and if you desaturate by 10%, it is **20.8309, 21.1145, 47.2339**.

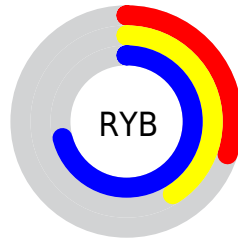
Distribution



Red (30%)

Green (45%)

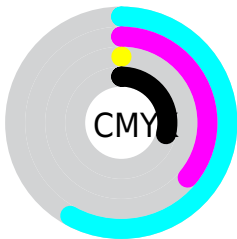
Blue (71%)



Red (30%)

Yellow (41%)

Blue (71%)

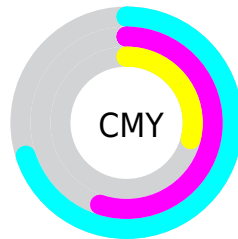


Cyan (58%)

Magenta (36%)

Yellow (0%)

Black (29%)



Cyan (70%)

Magenta (55%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7495, 17.4460, 46.6879 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 17.7495, 17.4460, 46.6879 by changing the saturation by 10% instead.

■ 17.7495, 17.4460,
46.6879

■ 17.7495, 17.4460,
46.6879

232.5283,
237.7296, 389.9250

■ 10.8689, 10.5530,
32.4364

■ 39.1435, 39.0910,
86.5927

■ 6.0454, 5.7671,
21.4275

■ 54.3875, 54.6118,
113.0830

■ 2.9136, 2.7040,
13.2426

■ 73.1501, 73.7774,
144.4901

■ 1.1082, 0.9792,
7.4631

■ 95.7965, 96.9720,
181.2324

■ 0.0320, 0.0000,
3.6706

■ 122.6922,
124.5801, 223.7285

■ 0.0000, 0.0000,
1.4464

154.2025,

■ 0.0000, 0.0000,

156.9862, 272.3970

0.1775

190.6927,
194.5746, 327.6563

■ 0.0000, 0.0000,
0.0000

■ 17.7495, 17.4460,
46.6879

■ 17.7495, 17.4460,
46.6879

■ 15.2427, 14.3153,
46.2161

■ 20.8309, 21.1145,
47.2339

■ 13.2673, 11.6907,
45.8136

■ 24.5215, 25.3463,
47.8562

■ 11.7767, 9.5391,
45.4769

■ 28.8557, 30.1671,
48.5583

■ 10.7014, 7.8150,
45.2008

■ 33.8642, 35.6004,
49.3431

■ 10.4864, 7.4630,
45.1442

■ 39.5759, 41.6682,
50.2132

■ 46.0180, 48.3916,
51.1714

■ 53.2159, 55.7903,
52.2202

■ 61.1940, 63.8834,
53.3618

■ 69.9756, 72.6891,
54.5986

Harmonies

Analogous

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



14.2152, 17.4460, 44.8292



17.7495, 17.4460, 46.6879



21.4607, 17.4460, 39.2818

Triad

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



17.7495, 17.4460, 46.6879



22.6541, 17.4460, 8.8616



10.8234, 17.4460, 12.7214

Complementary

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



17.7495, 17.4460, 46.6879



30.4545, 30.1274, 11.2323

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.



12.5050, 17.4460, 7.2681



17.7495, 17.4460, 46.6879



19.1977, 17.4460, 5.6780

Square

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



17.7495, 17.4460, 46.6879



24.5547, 17.4460, 15.9112



15.4667, 17.4460, 5.2280



10.5539, 17.4460, 22.4551

Rectangle

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



17.7495, 17.4460, 46.6879



23.4119, 17.4460, 31.2693



15.4667, 17.4460, 5.2280



11.2290, 17.4460, 10.4453

Sweetspot

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



17.7502, 17.4466, 46.6883



61.7861, 64.9622, 89.5182



24.6530, 36.9798, 31.3324



13.2218, 13.8916, 19.7061



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.



17.7502, 17.4466, 46.6883



26.6604, 24.6908, 83.5964



15.2422, 10.8225, 45.5419



8.7870, 9.2513, 11.4020



7.4643, 5.3883, 31.8997



0.3233, 0.3103, 1.1446

Inverse Universe

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



25.0983, 16.5147, 18.3883



41.7152, 24.5930, 25.2092



34.5917, 42.5104, 13.4044



9.1388, 9.0659, 10.0786



14.3813, 7.3263, 4.6288



0.5373, 0.2704, 0.3231

Previews

White Background



This preview shows how the XYZ color 17.7495, 17.4460, 46.6879 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 17.7495, 17.4460, 46.6879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

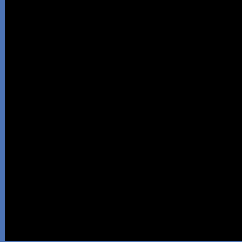
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7495, 17.4460, 46.6879

Background



This preview shows how black text looks on a background with the XYZ color 17.7495, 17.4460, 46.6879.

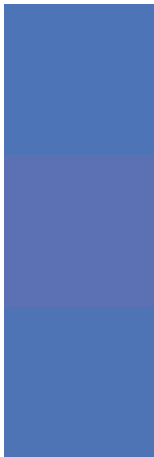


This preview shows how white text looks on a background with the XYZ color 17.7495, 17.4460,

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

17.7495, 17.4460, 46.6879

Protanopia

18.4577, 17.3297, 45.5522

Deuteranopia

17.9133, 17.5304, 46.6955



Tritanopia

13.5225, 17.3443, 25.9276

Trichromacy



Original Color

17.7495, 17.4460, 46.6879

Protanomaly

18.1956, 17.3493, 46.1058

Deuteranomaly

17.8308, 17.4879, 46.6917

Tritanomaly

14.8893, 17.3428, 32.6997

Monochromacy



Original Color

17.7495, 17.4460, 46.6879

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5661, 16.2690, 25.9867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7495, 17.4460, 46.6879 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(77, 116, 182)` looks like.

```
.text, #text, p{  
    color:rgb(77, 116, 182)  
}
```

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(77, 116, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 116, 182) }
```

Border

The CSS property to change the border of an element to XYZ 17.7495, 17.4460, 46.6879 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(77, 116, 182) }
```


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

```
.border{ border-color:rgb(77, 116, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 116, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 116, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 116, 182);  
box-shadow:4px 4px 4px 4px rgb(77, 116,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7495, 17.4460, 46.6879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 116, 182) }
```

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

```
.background{ background-color: rgb(77, 116,  
182) }
```

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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