

Converting Colors

XYZ(17.8126, 16.4485, 48.1350)

Have a look what the booklet for
XYZ(17.8126, 16.4485, 48.1350)
contains.

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Color

**XYZ(17.8126, 16.4485,
48.1350)**

Conversions

Conversions Part 1

Format	Color
Hex	526EB9
RGB	82, 110, 185
RGB Percent	32%, 43%, 73%
CMY	0.6784, 0.5686, 0.2745
CMYK	0.56, 0.41, 0.00, 0.27
HSL	224°, 42%, 52%
HSV	224°, 56%, 73%
XYZ	17.8126, 16.4485, 48.1350
YIQ	110.1780, -40.7630, 17.3890

Conversions

Conversions Part 2

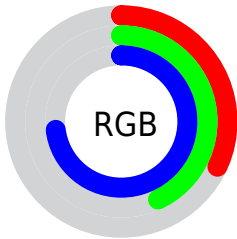
Format	Color
R _Y B	82, 104, 185
Decimal	5402297
CIE Lab	47.56, 12.18, -42.78
CIE LCh	48, 44.475, 285.890
Yxy	16.4485, 0.2162, 0.1996
Android (android.graphics.Color)	4283592377 (0xFF526EB9)
YUV	110.1780, 36.8872, -24.7121
Hunter-Lab	40.5568, 7.4232, -41.9789

Details

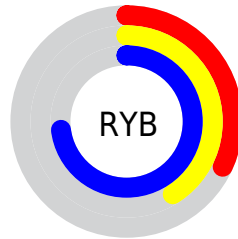
The XYZ color **17.8126, 16.4485, 48.1350** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **33.5887, 35.0392, 12.9766**, and the grayscale version is **14.7786, 15.5482, 16.9320**.

A 20% lighter version of the original color is **39.2531, 37.3038, 89.1359**, and **6.0553, 5.2871, 22.1741** is the 20% darker color. If you saturate the color by 10%, you get **15.0707, 13.0391, 47.6218**, and if you desaturate by 10%, it is **21.2104, 20.5246, 48.7430**.

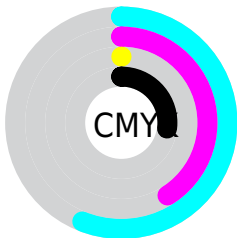
Distribution



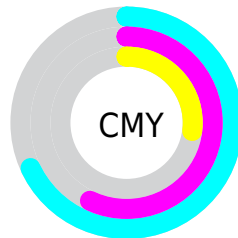
- Red (32%)
- Green (43%)
- Blue (73%)



- Red (32%)
- Yellow (41%)
- Blue (73%)



- Cyan (56%)
- Magenta (41%)
- Yellow (0%)
- Black (27%)



- Cyan (68%)
- Magenta (57%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8126, 16.4485, 48.1350 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 17.8126, 16.4485, 48.1350 by changing the saturation by 10% instead.

■ 17.8126, 16.4485,
48.1350

■ 17.8126, 16.4485,
48.1350

232.8787,
231.9739, 395.8511

■ 10.9144, 9.8421,
33.5731

■ 39.2503, 37.3751,
88.7730

■ 6.0762, 5.2944,
22.2911

■ 54.5206, 52.4640,
115.6862

■ 2.9326, 2.4210,
13.8706

■ 73.3122, 71.1493,
147.5535

■ 1.1182, 0.8367,
7.8930

■ 95.9906, 93.8152,
184.7935

■ 0.0403, 0.0000,
3.9398

122.9211,
120.8463, 227.8247

■ 0.0000, 0.0000,
1.5924

154.4690,

■ 0.0000, 0.0000,

152.6268, 277.0657

0.2854

190.9998,
189.5412, 332.9350

■ 0.0000, 0.0000,
0.0000

■ 17.8126, 16.4485,
48.1350

■ 17.8126, 16.4485,
48.1350

■ 15.0707, 13.0391,
47.6218

■ 21.2104, 20.5246,
48.7430

■ 12.9372, 10.2563,
47.1971

■ 25.3033, 25.3006,
49.4492

■ 11.3605, 8.0580,
46.8559

■ 30.1294, 30.8096,
50.2581

■ 10.2770, 6.3940,
46.5918

■ 35.7237, 37.0818,
51.1740

■ 9.9099, 5.8086,
46.4981

■ 42.1185, 44.1458,
52.2004

■ 49.3445, 52.0285,
53.3411

■ 57.4307, 60.7556,
54.5994

■ 66.4045, 70.3518,
55.9786

■ 76.2924, 80.8404,
57.4820

Harmonies

Analogous

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



13.8501, 16.4485, 48.4749



17.8126, 16.4485, 48.1350



21.7629, 16.4485, 37.7791

Triad

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



17.8126, 16.4485, 48.1350



21.5549, 16.4485, 6.3719



9.3510, 16.4485, 13.1023

Complementary

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



17.8126, 16.4485, 48.1350



33.5887, 35.0392, 12.9766

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.



10.7792, 16.4485, 6.6155



17.8126, 16.4485, 48.1350



17.5644, 16.4485, 3.9933

Square

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



17.8126, 16.4485, 48.1350



24.1600, 16.4485, 12.5779



13.6403, 16.4485, 4.0581



9.3945, 16.4485, 24.5683

Rectangle

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



17.8126, 16.4485, 48.1350



23.6645, 16.4485, 28.3756



13.6403, 16.4485, 4.0581



9.6628, 16.4485, 10.3972

Sweetspot

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



17.8133, 16.4491, 48.1354



62.2772, 64.5155, 91.3750



26.8146, 38.8864, 37.4646



12.9827, 13.4134, 19.6264



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.



17.8133, 16.4491, 48.1354



25.9691, 22.0452, 85.0910



17.5210, 12.5005, 47.3887



8.7145, 9.1061, 11.3778



6.8007, 4.0610, 31.6785



0.2930, 0.2496, 1.1345

Inverse Universe

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



25.8400, 17.4756, 16.7635



42.1965, 25.5033, 21.3571



33.9121, 43.0608, 14.5079



9.1022, 9.0513, 9.8857



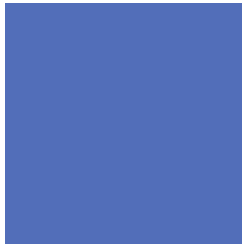
14.0463, 7.1923, 2.8649



0.5220, 0.2643, 0.2424

Previews

White Background



This preview shows how the XYZ color 17.8126, 16.4485, 48.1350 looks on a white background.

Color Contrast Check

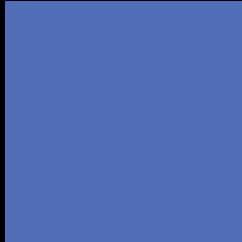
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8126, 16.4485, 48.1350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

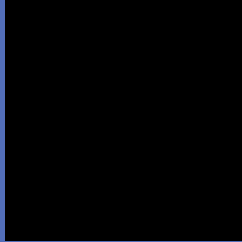
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8126, 16.4485, 48.1350

Background



This preview shows how black text looks on a background with the XYZ color 17.8126, 16.4485, 48.1350.

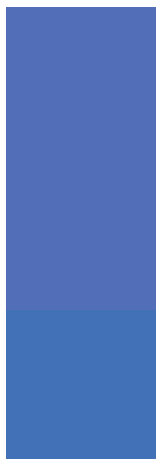


This preview shows how white text looks on a background with the XYZ color 17.8126, 16.4485,

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

17.8126, 16.4485, 48.1350

Protanopia

17.8126, 16.4485, 48.1350

Deuteranopia

16.8716, 16.4642, 47.6361



Tritanopia

12.9207, 16.3376, 23.9452

Trichromacy



Original Color

17.8126, 16.4485, 48.1350

Protanomaly

17.8126, 16.4485, 48.1350

Deuteranomaly

17.1184, 16.4268, 47.6158

Tritanomaly

14.4014, 16.2222, 31.6503

Monochromacy



Original Color

17.8126, 16.4485, 48.1350

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.3468, 15.6673, 25.8821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8126, 16.4485, 48.1350 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(82, 110, 185)` looks like.

```
.text, #text, p{  
    color:rgb(82, 110, 185)  
}
```

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(82, 110, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 110, 185) }
```

Border

The CSS property to change the border of an element to XYZ 17.8126, 16.4485, 48.1350 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(82, 110, 185) }
```


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

```
.border{ border-color:rgb(82, 110, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 110, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 110, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 110, 185);  
box-shadow:4px 4px 4px 4px rgb(82, 110,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8126, 16.4485, 48.1350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 110, 185) }
```

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

```
.background{ background-color: rgb(82, 110,  
185) }
```

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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