

Converting Colors

XYZ(17.3653, 17.1790, 46.2724)

Have a look what the booklet for
XYZ(17.3653, 17.1790, 46.2724)
contains.

XYZ(17.4099, 17.2828, 46.1344)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.4099, 17.2828,
46.1344)**

Conversions

Conversions Part 1

Format	Color
Hex	4A74B5
RGB	74, 116, 181
RGB Percent	29%, 45%, 71%
CMY	0.7098, 0.5451, 0.2902
CMYK	0.59, 0.36, 0.00, 0.29
HSL	216°, 42%, 50%
HSV	216°, 59%, 71%
XYZ	17.4099, 17.2828, 46.1344
YIQ	110.8520, -45.8970, 11.3110

Conversions

Conversions Part 2

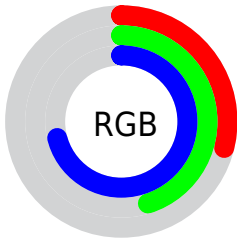
Format	Color
R_{YB}	74, 104, 181
Decimal	4879541
CIE _{Lab}	48.61, 5.45, -38.81
CIE _{LCh}	49, 39.193, 277.991
Yxy	17.2828, 0.2154, 0.2138
Android (android.graphics.Color)	4283069621 (0xFF4A74B5)
YUV	110.8520, 34.5830, -32.3192
Hunter-Lab	41.5726, 2.0008, -36.6952

Details

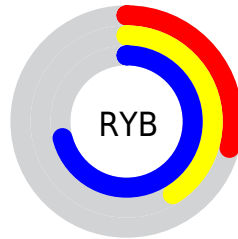
The XYZ color **17.4099, 17.2828, 46.1344** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **29.5257, 28.7849, 10.4793**, and the grayscale version is **14.9798, 15.7599, 17.1625**.

A 20% lighter version of the original color is **38.6488, 38.9450, 85.6009**, and **5.9634, 5.6928, 21.2066** is the 20% darker color. If you saturate the color by 10%, you get **15.0183, 14.2786, 45.6809**, and if you desaturate by 10%, it is **20.3537, 20.7950, 46.6575**.

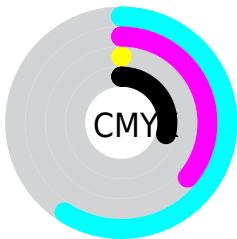
Distribution



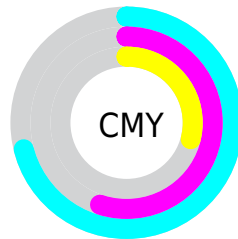
- Red (29%)
- Green (45%)
- Blue (71%)



- Red (29%)
- Yellow (41%)
- Blue (71%)



- Cyan (59%)
- Magenta (36%)
- Yellow (0%)
- Black (29%)



- Cyan (71%)
- Magenta (55%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4099, 17.2828, 46.1344 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 17.4099, 17.2828, 46.1344 by changing the saturation by 10% instead.

■ 17.4099, 17.2828,
46.1344

■ 17.4099, 17.2828,
46.1344

230.6340,
236.7968, 387.6420

■ 10.6243, 10.4363,
32.0025

■ 38.5672, 38.8114,
85.7565

■ 5.8802, 5.6892,
21.0985

■ 53.6696, 54.2623,
112.0838

■ 2.8123, 2.6570,
13.0041

■ 72.2750, 73.3501,
143.3132

■ 1.0553, 0.9554,
7.3006

■ 94.7487, 96.4592,
179.8633

■ 0.0000, 0.0000,
3.5695

■ 121.4561,
123.9741, 222.1527

■ 0.0000, 0.0000,
1.3923

152.7626,

■ 0.0000, 0.0000,

156.2790, 270.6000

0.1357

189.0334,
193.7585, 325.6235

■ 0.0000, 0.0000,
0.0000

■ 17.4099, 17.2828,
46.1344

■ 17.4099, 17.2828,
46.1344

■ 15.0183, 14.2786,
45.6809

■ 20.3537, 20.7950,
46.6575

■ 13.1363, 11.7518,
45.2924

■ 23.8840, 24.8393,
47.2521

■ 11.7174, 9.6706,
44.9655

■ 28.0343, 29.4404,
47.9214

■ 10.6792, 7.9837,
44.6946

■ 32.8349, 34.6206,
48.6683

■ 10.5966, 7.8482,
44.6728

■ 38.3141, 40.4009,
49.4952

■ 44.4983, 46.8012,
50.4047

■ 51.4126, 53.8403,
51.3989

■ 59.0806, 61.5363,
52.4802

■ 67.5252, 69.9065,
53.6508

Harmonies

Analogous

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



13.9626, 17.2828, 43.8910



17.4099, 17.2828, 46.1344



21.0760, 17.2828, 39.2117

Triad

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



17.4099, 17.2828, 46.1344



22.5208, 17.2828, 9.0490



10.7996, 17.2828, 12.3133

Complementary

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



17.4099, 17.2828, 46.1344



29.5257, 28.7849, 10.4793

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.



12.5171, 17.2828, 7.1042



17.4099, 17.2828, 46.1344



19.1651, 17.2828, 5.7573

Square

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



17.4099, 17.2828, 46.1344



24.2959, 17.2828, 16.1897



15.4814, 17.2828, 5.2063



10.4718, 17.2828, 21.7165

Rectangle

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



17.4099, 17.2828, 46.1344



23.0370, 17.2828, 31.4305



15.4814, 17.2828, 5.2063



11.2200, 17.2828, 10.1318

Sweetspot

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



17.4106, 17.2834, 46.1348



59.5576, 62.8049, 87.2781



23.9506, 36.3449, 29.8746



12.3062, 12.9696, 18.7770



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.



17.4106, 17.2834, 46.1348



25.7680, 24.0933, 81.5870



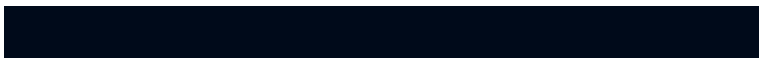
14.5093, 10.1520, 44.9112



8.3065, 8.7591, 10.7592



7.3684, 5.5372, 30.8174



0.2895, 0.2896, 0.9889

Inverse Universe

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



24.6578, 15.9831, 18.3089



40.4604, 23.4374, 24.7312



34.4030, 42.1222, 12.7966



8.6299, 8.5587, 9.5494



13.9539, 7.0991, 4.9172



0.4682, 0.2350, 0.3081

Previews

White Background



This preview shows how the XYZ color 17.4099, 17.2828, 46.1344 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 17.4099, 17.2828, 46.1344 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 17.4099, 17.2828, 46.1344

Background



This preview shows how black text looks on a background with the XYZ color 17.4099, 17.2828, 46.1344.

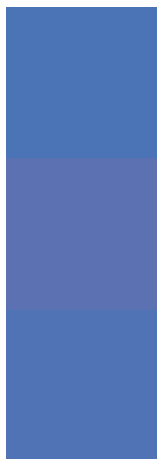


This preview shows how white text looks on a background with the XYZ color 17.4099, 17.2828,

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

17.4099, 17.2828, 46.1344

Protanopia

18.2554, 17.2488, 44.4867

Deuteranopia

17.6957, 17.2599, 46.1149



Tritanopia

13.2281, 17.2008, 25.5446

Trichromacy



Original Color

17.4099, 17.2828, 46.1344

Protanomaly

17.9003, 17.2206, 45.0283

Deuteranomaly

17.5318, 17.1754, 46.1072

Tritanomaly

14.5515, 17.1782, 32.2545

Monochromacy



Original Color

17.4099, 17.2828, 46.1344

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.3861, 16.1845, 25.6055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4099, 17.2828, 46.1344 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, 116, 181)` looks like.

```
.text, #text, p{  
    color:rgb(74, 116, 181)  
}
```

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, 116, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 116, 181) }
```

Border

The CSS property to change the border of an element to XYZ 17.4099, 17.2828, 46.1344 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, 116, 181) }
```


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

```
.border{ border-color:rgb(74, 116, 181) }
```

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

Here you see how a box with a 4 pixel rgb(74, 116, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 116, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 116, 181);  
box-shadow:4px 4px 4px 4px rgb(74, 116,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4099, 17.2828, 46.1344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 116, 181) }
```

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

```
.background{ background-color: rgb(74, 116,  
181) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor