

Converting Colors

XYZ(14.5379, 18.4107, 23.0373)

Have a look what the booklet for
XYZ(14.5379, 18.4107, 23.0373)
contains.

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Color

**XYZ(14.6760, 18.5746,
23.2338)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8080
RGB	77, 128, 128
RGB Percent	30%, 50%, 50%
CMY	0.6980, 0.4980, 0.4980
CMYK	0.40, 0.00, 0.00, 0.50
HSL	180°, 25%, 40%
HSV	180°, 40%, 50%
XYZ	14.6760, 18.5746, 23.2338
YIQ	112.7510, -30.3960, -10.8120

Conversions

Conversions Part 2

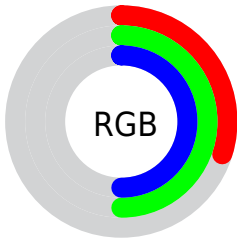
Format	Color
RYB	77, 103, 128
Decimal	5079168
CIELab	50.19, -17.04, -5.40
CIELCh	50, 17.877, 197.582
Yxy	18.5746, 0.2598, 0.3288
Android (android.graphics.Color)	4283269248 (0xFF4D8080)
YUV	112.7510, 7.5178, -31.3536
Hunter-Lab	43.0983, -14.6384, -1.7938

Details

The XYZ color **14.6760, 18.5746, 23.2338** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.8961, 10.4333, 8.3560**, and the grayscale version is **15.6076, 16.4204, 17.8818**.

A 20% lighter version of the original color is **33.9176, 41.0511, 49.8521**, and **4.6082, 6.3632, 8.3825** is the 20% darker color. If you saturate the color by 10%, you get **13.7433, 18.0942, 23.1904**, and if you desaturate by 10%, it is **15.8131, 19.1612, 23.2875**.

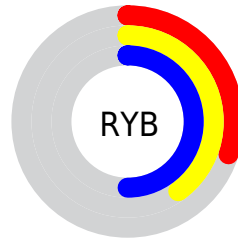
Distribution



Red (30%)

Green (50%)

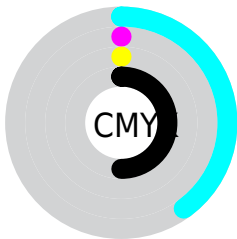
Blue (50%)



Red (30%)

Yellow (40%)

Blue (50%)

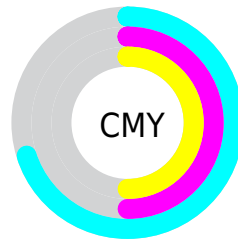


Cyan (40%)

Magenta (0%)

Yellow (0%)

Black (50%)



Cyan (70%)

Magenta (50%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6760, 18.5746, 23.2338 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 14.6760, 18.5746, 23.2338 by changing the saturation by 10% instead.

■ 14.6760, 18.5746,
23.2338

■ 14.6760, 18.5746,
23.2338

214.8242,
244.0901, 282.0843

■ 8.6771, 11.3633,
14.5593

■ 33.8601, 41.0140,
49.7050

■ 4.5866, 6.3118,
8.3675

■ 47.7761, 57.0109,
68.3388

■ 2.0391, 3.0356,
4.2399

■ 65.0618, 76.7052,
91.1294

■ 0.6558, 1.1503,
1.7578

■ 86.0827, 100.4812,
118.4955

■ 0.0000, 0.0206,
0.3999

■ 111.2039,
128.7232, 150.8554

■ 0.0000, 0.0000,
0.0000

140.7911,

161.8158, 188.6279

175.2093,
200.1433, 232.2313

■ 14.6760, 18.5746,
23.2338

■ 14.6760, 18.5746,
23.2338

■ 13.7433, 18.0942,
23.1904

■ 15.8131, 19.1612,
23.2875

■ 13.0013, 17.7117,
23.1556

■ 17.1639, 19.8576,
23.3509

■ 12.4374, 17.4210,
23.1291

■ 18.7392, 20.6697,
23.4247

■ 12.0367, 17.2144,
23.1102

■ 20.5486, 21.6025,
23.5095

■ 11.7817, 17.0830,
23.0982

■ 22.6010, 22.6605,
23.6057

■ 11.6182, 16.9987,
23.0904

■ 24.9050, 23.8483,
23.7136

■ 11.6157, 16.9974,
23.0903

■ 27.4687, 25.1699,
23.8337

■ 30.2999, 26.6295,
23.9663

■ 33.4060, 28.2307,
24.1118

Harmonies

Analogous

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



14.6077, 18.5746, 18.2487



14.6760, 18.5746, 23.2338



15.5092, 18.5746, 28.0844

Triad

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



14.6760, 18.5746, 23.2338



20.2198, 18.5746, 27.3374



18.3779, 18.5746, 12.2897

Complementary

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



14.6760, 18.5746, 23.2338



12.8961, 10.4333, 8.3560

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.



19.9892, 18.5746, 13.9878



14.6760, 18.5746, 23.2338



21.0982, 18.5746, 22.3382

Square

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



14.6760, 18.5746, 23.2338



18.6762, 18.5746, 30.7061



21.0112, 18.5746, 17.4871



16.6709, 18.5746, 12.4494

Rectangle

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



14.6760, 18.5746, 23.2338



16.4189, 18.5746, 30.3452



21.0112, 18.5746, 17.4871



18.9508, 18.5746, 12.6489

Sweetspot

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



14.6765, 18.5753, 23.2342



32.2800, 36.0238, 41.2080



12.1889, 17.5882, 9.7740



7.4882, 8.3983, 9.6447



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



14.6765, 18.5753, 23.2342



24.3059, 31.9130, 40.8340



11.8425, 12.9072, 22.2900



4.4464, 4.8869, 5.5222



11.5173, 16.8535, 22.8948



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.8961, 10.4333, 8.3560



20.7040, 15.4409, 10.7339



14.9593, 14.5597, 9.0435



4.3278, 4.3443, 4.5306



8.8271, 4.5505, 0.4132



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.6760, 18.5746, 23.2338 looks on a white 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

Black Background



This preview shows how the XYZ color 14.6760, 18.5746, 23.2338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

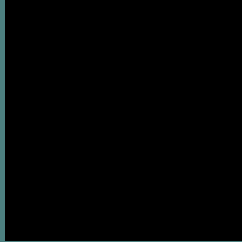
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.6760, 18.5746, 23.2338

Background



This preview shows how black text looks on a background with the XYZ color 14.6760, 18.5746, 23.2338.



This preview shows how white text looks on a background with the XYZ color 14.6760, 18.5746,

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

14.6760, 18.5746, 23.2338

Protanopia

17.7370, 18.3551, 21.0204

Deuteranopia

18.7996, 18.4894, 24.0507



Tritanopia

15.3292, 18.6472, 26.4582

Trichromacy



Original Color

14.6760, 18.5746, 23.2338

Protanomaly

16.3065, 18.3174, 21.7449

Deuteranomaly

16.9301, 18.2328, 23.7461

Tritanomaly

15.0343, 18.5197, 25.3365

Monochromacy



Original Color

14.6760, 18.5746, 23.2338

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.0040, 16.9742, 19.6251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6760, 18.5746, 23.2338 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, 128, 128)` looks like.

```
.text, #text, p{  
  color:rgb(77, 128, 128)  
}
```

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, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 128, 128) }
```

Border

The CSS property to change the border of an element to XYZ 14.6760, 18.5746, 23.2338 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, 128, 128) }
```


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

```
.border{ border-color:rgb(77, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 128, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 128, 128); box-shadow:4px 4px 4px 4px rgb(77, 128, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6760, 18.5746, 23.2338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 128, 128) }
```

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

```
.background{ background-color: rgb(77, 128,  
128) }
```

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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