

Converting Colors

XYZ(12.3218, 14.6471, 17.5652)

Have a look what the booklet for
XYZ(12.3218, 14.6471, 17.5652)
contains.

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Color

**XYZ(12.2861, 14.5972,
17.4992)**

Conversions

Conversions Part 1

Format	Color
Hex	537070
RGB	83, 112, 112
RGB Percent	33%, 44%, 44%
CMY	0.6745, 0.5608, 0.5608
CMYK	0.26, 0.00, 0.00, 0.56
HSL	180°, 15%, 38%
HSV	180°, 26%, 44%
XYZ	12.2861, 14.5972, 17.4992
YIQ	103.3290, -17.2840, -6.1480

Conversions

Conversions Part 2

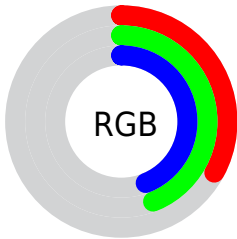
Format	Color
R_{YB}	83, 98, 112
Decimal	5468272
CIE _{Lab}	45.08, -10.45, -3.43
CIE _{LCh}	45, 11.003, 198.176
Yxy	14.5972, 0.2768, 0.3289
Android (android.graphics.Color)	4283658352 (0xFF537070)
YUV	103.3290, 4.2748, -17.8285
Hunter-Lab	38.2063, -9.4603, -0.4115

Details

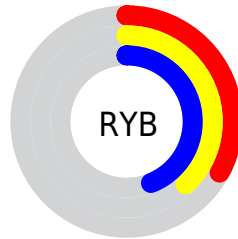
The XYZ color **12.2861, 14.5972, 17.4992** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.3372, 10.2563, 9.5664**, and the grayscale version is **12.9719, 13.6475, 14.8621**.

A 20% lighter version of the original color is **29.6492, 34.2178, 40.1640**, and **3.4864, 4.4120, 5.5183** is the 20% darker color. If you saturate the color by 10%, you get **11.3768, 14.1288, 17.4568**, and if you desaturate by 10%, it is **13.3560, 15.1491, 17.5498**.

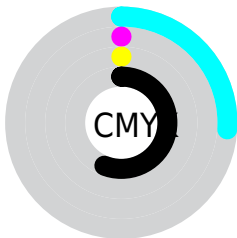
Distribution



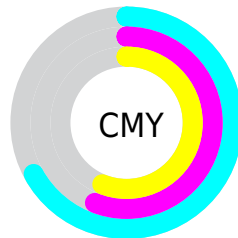
- Red (33%)
- Green (44%)
- Blue (44%)



- Red (33%)
- Yellow (38%)
- Blue (44%)



- Cyan (26%)
- Magenta (0%)
- Yellow (0%)
- Black (56%)



- Cyan (67%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2861, 14.5972, 17.4992 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 12.2861, 14.5972, 17.4992 by changing the saturation by 10% instead.

■ 12.2861, 14.5972,
17.4992

■ 12.2861, 14.5972,
17.4992

200.0217,
220.9151, 250.1735

■ 7.0124, 8.5372,
10.4253

■ 29.6275, 34.1450,
39.9844

■ 3.5163, 4.4406,
5.5726

■ 42.4259, 48.4015,
56.2329

■ 1.4323, 1.9229,
2.5224

■ 58.4632, 66.1591,
76.3767

■ 0.2791, 0.5621,
0.8520

■ 78.1049, 87.8020,
100.8342

■ 0.0000, 0.0000,
0.0000

■ 101.7162,
113.7146, 130.0242

129.6626,

144.2814, 164.3650

162.3093,
179.8868, 204.2753

■ 12.2861, 14.5972,
17.4992

■ 12.2861, 14.5972,
17.4992

■ 11.3768, 14.1288,
17.4568

■ 13.3560, 15.1491,
17.5498

■ 10.6190, 13.7382,
17.4211

■ 14.5922, 15.7864,
17.6078

■ 10.0050, 13.4217,
17.3922

■ 16.0020, 16.5132,
17.6739

■ 9.5257, 13.1746,
17.3696

■ 17.5917, 17.3327,
17.7485

■ 9.1709, 12.9917,
17.3529

■ 19.3672, 18.2480,
17.8318

■ 8.9292, 12.8670,
17.3414

■ 21.3344, 19.2621,
17.9240

■ 8.7764, 12.7883,
17.3340

■ 23.4987, 20.3778,
18.0255

■ 8.7188, 12.7586,
17.3313

■ 25.8654, 21.5979,
18.1364

■ 28.4396, 22.9250,
18.2571

Harmonies

Analogous

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



12.2402, 14.5972, 14.8946



12.2861, 14.5972, 17.4992



12.7461, 14.5972, 19.9032

Triad

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



12.2861, 14.5972, 17.4992



15.2114, 14.5972, 19.4532



14.2337, 14.5972, 11.4990

Complementary

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



12.2861, 14.5972, 17.4992



11.3372, 10.2563, 9.5664

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.



15.0669, 14.5972, 12.4627



12.2861, 14.5972, 17.4992



15.6476, 14.5972, 16.9368

Square

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



12.2861, 14.5972, 17.4992



14.4240, 14.5972, 21.1131



15.5936, 14.5972, 14.3898



13.3386, 14.5972, 11.6146

Rectangle

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



12.2861, 14.5972, 17.4992



13.2375, 14.5972, 20.9822



15.5936, 14.5972, 14.3898



14.5310, 14.5972, 11.7028

Sweetspot

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



12.2865, 14.5978, 17.4995



25.1041, 27.4586, 30.9064



10.9661, 14.0745, 10.3227



5.9641, 6.5622, 7.4220



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.2865, 14.5978, 17.4995



20.6045, 25.1390, 30.6951



10.8585, 11.7416, 17.0240



3.4750, 3.8152, 4.3074



10.0791, 14.7492, 20.0352



50.2084, 73.4720, 99.8036

Inverse Universe

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



11.3372, 10.2563, 9.5664



18.6385, 16.1478, 14.2658



12.5202, 12.6223, 9.9604



3.3845, 3.4015, 3.5515



7.7250, 3.9824, 0.3617



38.4814, 19.8379, 1.8013

Previews

White Background



This preview shows how the XYZ color 12.2861, 14.5972, 17.4992 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 12.2861, 14.5972, 17.4992 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 12.2861, 14.5972, 17.4992

Background



This preview shows how black text looks on a background with the XYZ color 12.2861, 14.5972, 17.4992.



This preview shows how white text looks on a background with the XYZ color 12.2861, 14.5972,

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

12.2861, 14.5972, 17.4992

Protanopia

14.0452, 14.5789, 16.2611

Deuteranopia

14.6976, 14.4261, 17.9295



Tritanopia

12.8209, 14.6562, 19.9225

Trichromacy



Original Color

12.2861, 14.5972, 17.4992

Protanomaly

13.2685, 14.4819, 16.5640

Deuteranomaly

13.6142, 14.3251, 17.6703

Tritanomaly

12.5515, 14.5381, 18.9742

Monochromacy



Original Color

12.2861, 14.5972, 17.4992

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.5794, 13.8355, 15.6432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2861, 14.5972, 17.4992 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(83, 112, 112) looks like.

```
.text, #text, p{  
    color:rgb(83, 112, 112)  
}
```

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(83, 112, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 112, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.2861, 14.5972, 17.4992 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(83, 112, 112) }
```


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

```
.border{ border-color:rgb(83, 112, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 112, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 112, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 112, 112);  
box-shadow:4px 4px 4px 4px rgb(83, 112,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2861, 14.5972, 17.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 112, 112) }
```

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

```
.background{ background-color: rgb(83, 112,  
112) }
```

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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