

Converting Colors

XYZ(12.9282, 14.9663, 17.4759)

Have a look what the booklet for
XYZ(12.9282, 14.9663, 17.4759)
contains.

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Color

**XYZ(12.9352, 14.9319,
17.5296)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7070
RGB	90, 112, 112
RGB Percent	35%, 44%, 44%
CMY	0.6471, 0.5608, 0.5608
CMYK	0.20, 0.00, 0.00, 0.56
HSL	180°, 11%, 40%
HSV	180°, 20%, 44%
XYZ	12.9352, 14.9319, 17.5296
YIQ	105.4220, -13.1120, -4.6640

Conversions

Conversions Part 2

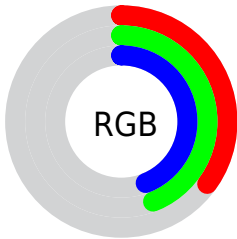
Format	Color
R_{YB}	90, 101, 112
Decimal	5927024
CIE _{Lab}	45.54, -8.08, -2.70
CIE _{LCh}	46, 8.514, 198.465
Yxy	14.9319, 0.2849, 0.3289
Android (android.graphics.Color)	4284117104 (0xFF5A7070)
YUV	105.4220, 3.2430, -13.5251
Hunter-Lab	38.6418, -7.8710, 0.1528

Details

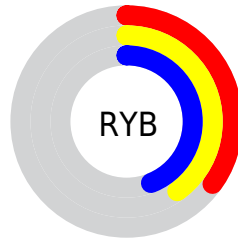
The XYZ color **12.9352, 14.9319, 17.5296** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.1842, 11.4955, 11.2501**, and the grayscale version is **13.5361, 14.2411, 15.5085**.

A 20% lighter version of the original color is **30.7915, 34.8067, 40.2174**, and **3.7975, 4.5724, 5.5329** is the 20% darker color. If you saturate the color by 10%, you get **11.9269, 14.4125, 17.4824**, and if you desaturate by 10%, it is **14.1085, 15.5372, 17.5851**.

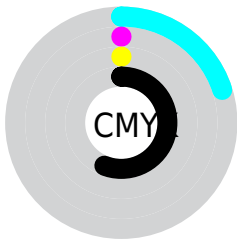
Distribution



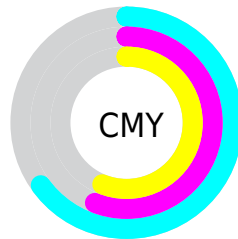
- Red (35%)
- Green (44%)
- Blue (44%)



- Red (35%)
- Yellow (40%)
- Blue (44%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (56%)



- Cyan (65%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9352, 14.9319, 17.5296 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 12.9352, 14.9319, 17.5296 by changing the saturation by 10% instead.

■ 12.9352, 14.9319,
17.5296

■ 12.9352, 14.9319,
17.5296

204.1480,
222.9537, 250.3525

■ 7.4606, 8.7716,
10.4469

■ 30.7896, 34.7337,
40.0372

■ 3.8007, 4.5925,
5.5868

■ 43.9002, 49.1439,
56.2991

■ 1.5900, 2.0102,
2.5308

■ 60.2868, 67.0730,
76.4578

■ 0.3859, 0.6134,
0.8564

■ 80.3148, 88.9052,
100.9319

■ 0.0000, 0.0000,
0.0000

104.3496,
115.0250, 130.1399

132.7565,

145.8167, 164.5003

165.9008,
181.6648, 204.4317

■ 12.9352, 14.9319,
17.5296

■ 12.9352, 14.9319,
17.5296

■ 11.9269, 14.4125,
17.4824

■ 14.1085, 15.5372,
17.5851

■ 11.0751, 13.9734,
17.4422

■ 15.4525, 16.2300,
17.6483

■ 10.3723, 13.6111,
17.4090

■ 16.9740, 17.0143,
17.7199

■ 9.8099, 13.3212,
17.3824

■ 18.6791, 17.8934,
17.8000

■ 9.3785, 13.0988,
17.3619

■ 20.5738, 18.8701,
17.8890

■ 9.0676, 12.9385,
17.3470

■ 22.6636, 19.9474,
17.9871

■ 8.8648, 12.8340,
17.3372

■ 24.9538, 21.1281,
18.0946

■ 8.7237, 12.7612,
17.3303

■ 27.4496, 22.4147,
18.2117

■ 8.7187, 12.7586,
17.3301

■ 30.1560, 23.8099,
18.3386

Harmonies

Analogous

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



12.8951, 14.9319, 15.4882



12.9352, 14.9319, 17.5296



13.3053, 14.9319, 19.3673

Triad

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



12.9352, 14.9319, 17.5296



15.2400, 14.9319, 18.9939



14.4673, 14.9319, 12.7173

Complementary

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



12.9352, 14.9319, 17.5296



12.1842, 11.4955, 11.2501

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.



15.1179, 14.9319, 13.5012



12.9352, 14.9319, 17.5296



15.5738, 14.9319, 17.0535

Square

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



12.9352, 14.9319, 17.5296



14.6295, 14.9319, 20.2602



15.5284, 14.9319, 15.0500



13.7639, 14.9319, 12.8215

Rectangle

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



12.9352, 14.9319, 17.5296



13.6966, 14.9319, 20.1772



15.5284, 14.9319, 15.0500



14.6999, 14.9319, 12.8828

Sweetspot

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



12.9356, 14.9325, 17.5299



25.5726, 27.7001, 30.9283



11.8922, 14.5193, 11.8486



6.1180, 6.6416, 7.4291



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.



12.9356, 14.9325, 17.5299



21.8051, 25.7579, 30.7510



11.8308, 12.7226, 17.1622



3.4750, 3.8152, 4.3074



10.0788, 14.7490, 20.0336



50.2068, 73.4714, 99.7951

Inverse Universe

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



12.1842, 11.4955, 11.2501



20.2053, 18.4403, 17.3806



13.1462, 13.4197, 11.5703



3.3845, 3.4015, 3.5516



7.7250, 3.9824, 0.3619



38.4815, 19.8379, 1.8016

Previews

White Background



This preview shows how the XYZ color 12.9352, 14.9319, 17.5296 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 12.9352, 14.9319, 17.5296 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

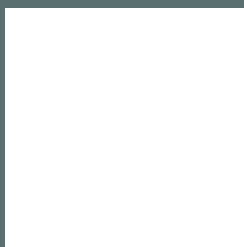
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9352, 14.9319, 17.5296

Background



This preview shows how black text looks on a background with the XYZ color 12.9352, 14.9319, 17.5296.



This preview shows how white text looks on a background with the XYZ color 12.9352, 14.9319,

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

12.9352, 14.9319, 17.5296

Protanopia

14.3247, 14.8707, 16.5833

Deuteranopia

15.0578, 14.7604, 17.9750



Tritanopia

13.4882, 15.0003, 19.9537

Trichromacy



Original Color

12.9352, 14.9319, 17.5296

Protanomaly

13.7626, 14.8878, 16.9001

Deuteranomaly

14.1822, 14.7718, 17.7265

Tritanomaly

13.2097, 14.8774, 19.0050

Monochromacy



Original Color

12.9352, 14.9319, 17.5296

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.3249, 14.5172, 16.2872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9352, 14.9319, 17.5296 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(90, 112, 112) looks like.

```
.text, #text, p{  
    color:rgb(90, 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(90, 112, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 112, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.9352, 14.9319, 17.5296 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(90, 112, 112) }
```


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

```
.border{ border-color:rgb(90, 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(90, 112, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 112, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 112, 112);  
box-shadow:4px 4px 4px 4px rgb(90, 112,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9352, 14.9319, 17.5296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 112, 112) }
```

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

```
.background{ background-color: rgb(90, 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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