

Converting Colors

XYZ(12.5922, 15.9780, 17.2402)

Have a look what the booklet for
XYZ(12.5922, 15.9780, 17.2402)
contains.

XYZ(12.5532, 15.9391, 17.1668)	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(12.5532, 15.9391,
17.1668)**

Conversions

Conversions Part 1

Format	Color
Hex	4E776E
RGB	78, 119, 110
RGB Percent	31%, 47%, 43%
CMY	0.6941, 0.5333, 0.5686
CMYK	0.34, 0.00, 0.08, 0.53
HSL	167°, 21%, 39%
HSV	167°, 34%, 47%
XYZ	12.5532, 15.9391, 17.1668
YIQ	105.7150, -21.5470, -11.4910

Conversions

Conversions Part 2

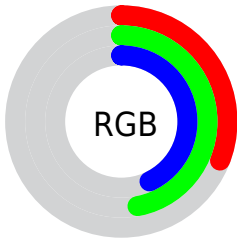
Format	Color
RYB	78, 101, 119
Decimal	5142382
CIELab	46.89, -16.47, 0.39
CIELCh	47, 16.472, 178.632
Yxy	15.9391, 0.2749, 0.3491
Android (android.graphics.Color)	4283332462 (0xFF4E776E)
YUV	105.7150, 2.1125, -24.3061
Hunter-Lab	39.9238, -13.7411, 2.4526

Details

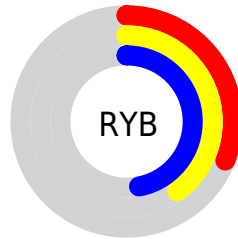
The XYZ color **12.5532, 15.9391, 17.1668** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.0530, 10.0593, 10.3239**, and the grayscale version is **13.6206, 14.3300, 15.6053**.

A 20% lighter version of the original color is **30.1378, 36.4016, 39.6202**, and **3.6228, 5.0152, 5.4797** is the 20% darker color. If you saturate the color by 10%, you get **11.5250, 15.4257, 16.3873**, and if you desaturate by 10%, it is **13.7629, 16.5465, 17.9774**.

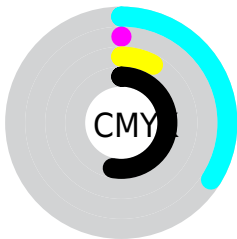
Distribution



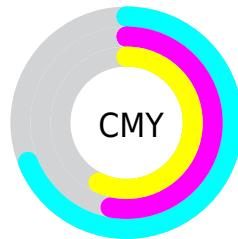
- Red (31%)
- Green (47%)
- Blue (43%)



- Red (31%)
- Yellow (40%)
- Blue (47%)



- Cyan (34%)
- Magenta (0%)
- Yellow (8%)
- Black (53%)



- Cyan (69%)
- Magenta (53%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5532, 15.9391, 17.1668 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 12.5532, 15.9391, 17.1668 by changing the saturation by 10% instead.

■ 12.5532, 15.9391,
17.1668

■ 12.5532, 15.9391,
17.1668

201.7300,
228.9821, 248.2082

■ 7.1965, 9.4811,
10.1903

■ 30.1069, 36.4924,
39.4069

■ 3.6327, 5.0563,
5.4180

■ 43.0346, 51.3566,
55.5076

■ 1.4965, 2.2803,
2.4316

■ 59.2167, 69.7915,
75.4867

■ 0.3235, 0.7633,
0.8036

■ 79.0185, 92.1816,
99.7628

■ 0.0000, 0.0000,
0.0000

■ 102.8053,
118.9113, 128.7545

130.9427,

150.3651, 162.8803

163.7958,
186.9272, 202.5586

■ 12.5532, 15.9391,
17.1668

■ 12.5532, 15.9391,
17.1668

■ 11.5250, 15.4257,
16.3873

■ 13.7629, 16.5465,
17.9774

■ 10.6675, 14.9993,
15.6372

■ 15.1617, 17.2504,
18.8185

■ 9.9707, 14.6553,
14.9161

■ 16.7583, 18.0558,
19.6912

■ 9.4228, 14.3877,
14.2234

■ 18.5604, 18.9667,
20.5959

■ 9.0108, 14.1895,
13.5581

■ 20.5754, 19.9868,
21.5332

■ 8.7147, 14.0508,
12.9192

■ 22.8103, 21.1197,
22.5036

■ 8.5674, 13.9823,
12.5746

■ 25.2716, 22.3689,
23.5076

■ 27.9658, 23.7376,
24.5456

■ 30.8990, 25.2291,
25.6181

Harmonies

Analogous

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



12.9120, 15.9391, 13.5551



12.5532, 15.9391, 17.1668



12.8528, 15.9391, 21.4272

Triad

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



12.5532, 15.9391, 17.1668



16.5118, 15.9391, 25.2633



16.6331, 15.9391, 11.4401

Complementary

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



12.5532, 15.9391, 17.1668



12.0530, 10.0593, 10.3239

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.



17.7050, 15.9391, 13.8344



12.5532, 15.9391, 17.1668



17.6320, 15.9391, 21.8059

Square

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



12.5532, 15.9391, 17.1668



15.0838, 15.9391, 26.5230



18.0815, 15.9391, 17.5445



15.2157, 15.9391, 10.5883

Rectangle

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



12.5532, 15.9391, 17.1668



13.3969, 15.9391, 23.9927



18.0815, 15.9391, 17.5445



17.0490, 15.9391, 12.0705

Sweetspot

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



12.5537, 15.9397, 17.1672



28.3060, 31.4726, 34.3467



11.9561, 15.7980, 9.6273



6.6324, 7.4205, 8.0979



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.5537, 15.9397, 17.1672



21.0529, 27.8294, 29.6759



11.8418, 13.6914, 19.4720



3.7506, 4.1422, 4.5203



9.0984, 14.8534, 13.3403



44.0091, 72.2509, 63.2782

Inverse Universe

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



12.0530, 10.0593, 10.3239



20.0209, 15.6743, 15.5448



12.5503, 11.6062, 8.7869



3.7138, 3.7128, 4.0199



8.2791, 4.2454, 1.4122



40.0748, 20.5800, 5.4574

Previews

White Background



This preview shows how the XYZ color 12.5532, 15.9391, 17.1668 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 12.5532, 15.9391, 17.1668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

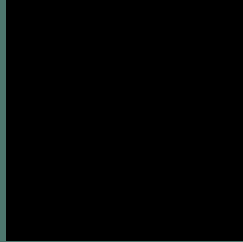
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5532, 15.9391, 17.1668

Background



This preview shows how black text looks on a background with the XYZ color 12.5532, 15.9391, 17.1668.



This preview shows how white text looks on a background with the XYZ color 12.5532, 15.9391,

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

12.5532, 15.9391, 17.1668

Protanopia

15.0652, 15.7492, 15.6105

Deuteranopia

16.0675, 15.7502, 17.5225



Tritanopia

13.6069, 16.0228, 22.1142

Trichromacy



Original Color

12.5532, 15.9391, 17.1668

Protanomaly

13.9258, 15.6385, 16.1945

Deuteranomaly

14.3794, 15.5198, 17.2767

Tritanomaly

13.2619, 16.0623, 20.1706

Monochromacy



Original Color

12.5532, 15.9391, 17.1668

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.1622, 14.9172, 16.0955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5532, 15.9391, 17.1668 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(78, 119, 110)` looks like.

```
.text, #text, p{  
    color:rgb(78, 119, 110)  
}
```

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(78, 119, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 119, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.5532, 15.9391, 17.1668 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(78, 119, 110) }
```


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

```
.border{ border-color:rgb(78, 119, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 119, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 119, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 119, 110);  
box-shadow:4px 4px 4px 4px rgb(78, 119,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5532, 15.9391, 17.1668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 119, 110) }
```

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

```
.background{ background-color: rgb(78, 119,  
110) }
```

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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