

Converting Colors

XYZ(10.1217, 12.2287, 17.1561)

Have a look what the booklet for
XYZ(10.1217, 12.2287, 17.1561)
contains.

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Color

**XYZ(10.1217, 12.2287,
17.1561)**

Conversions

Conversions Part 1

Format	Color
Hex	426870
RGB	66, 104, 112
RGB Percent	26%, 41%, 44%
CMY	0.7412, 0.5921, 0.5608
CMYK	0.41, 0.07, 0.00, 0.56
HSL	190°, 26%, 35%
HSV	190°, 41%, 44%
XYZ	10.1217, 12.2287, 17.1561
YIQ	93.5500, -25.2160, -5.5680

Conversions

Conversions Part 2

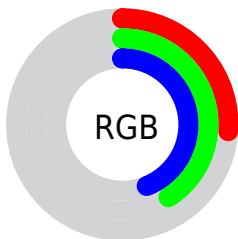
Format	Color
R_{YB}	66, 87, 112
Decimal	4352112
CIE _{Lab}	41.58, -11.18, -8.75
CIE _{LCh}	42, 14.199, 218.050
Yxy	12.2287, 0.2562, 0.3095
Android (android.graphics.Color)	4282542192 (0xFF426870)
YUV	93.5500, 9.0959, -24.1613
Hunter-Lab	34.9696, -9.5311, -4.6090

Details

The XYZ color **10.1217, 12.2287, 17.1561** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.1145, 8.7359, 6.3077**, and the grayscale version is **10.5171, 11.0648, 12.0496**.

A 20% lighter version of the original color is **25.6246, 29.8360, 39.5303**, and **2.6022, 3.4066, 5.3709** is the 20% darker color. If you saturate the color by 10%, you get **9.2461, 11.4899, 17.0599**, and if you desaturate by 10%, it is **11.1504, 13.0537, 17.2613**.

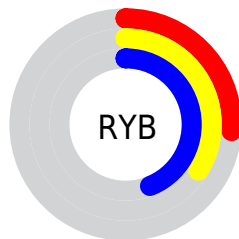
Distribution



Red (26%)

Green (41%)

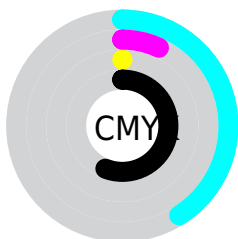
Blue (44%)



Red (26%)

Yellow (34%)

Blue (44%)

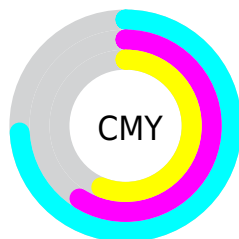


Cyan (41%)

Magenta (7%)

Yellow (0%)

Black (56%)



Cyan (74%)

Magenta (59%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1217, 12.2287, 17.1561 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 10.1217, 12.2287, 17.1561 by changing the saturation by 10% instead.

■ 10.1217, 12.2287,
17.1561

■ 10.1217, 12.2287,
17.1561

185.5740,
205.9135, 248.1447

■ 5.5426, 6.8996,
10.1827

■ 25.6718, 29.9110,
39.3883

■ 2.6070, 3.3994,
5.4131

■ 37.3734, 43.0329,
55.4842

■ 0.9495, 1.3436,
2.4287

■ 52.1800, 59.5213,
75.4580

■ 0.0000, 0.1746,
0.8020

■ 70.4569, 79.7606,
99.7283

■ 0.0000, 0.0000,
0.0000

■ 92.5693, 104.1350,
128.7135

118.8828,

133.0290, 162.8323

149.7625,
166.8271, 202.5032

■ 10.1217, 12.2287,
17.1561

■ 10.1217, 12.2287,
17.1561

■ 9.2461, 11.4899,
17.0599

■ 11.1504, 13.0537,
17.2613

■ 8.5138, 10.8314,
16.9713

■ 12.3391, 13.9677,
17.3751

■ 7.9155, 10.2486,
16.8904

■ 13.6955, 14.9749,
17.4980

■ 7.4404, 9.7359,
16.8165

■ 15.2267, 16.0791,
17.6305

■ 7.0761, 9.2868,
16.7490

■ 16.9391, 17.2836,
17.7727

■ 6.7974, 8.9153,
16.6920

■ 18.8390, 18.5918,
17.9251

■ 20.9323, 20.0066,
18.0878

■ 23.2246, 21.5310,
18.2612

■ 25.7214, 23.1679,
18.4456

Harmonies

Analogous

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



9.7574, 12.2287, 14.1312



10.1217, 12.2287, 17.1561



10.8931, 12.2287, 19.3485

Triad

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



10.1217, 12.2287, 17.1561



13.5733, 12.2287, 15.5670



11.3459, 12.2287, 8.4211

Complementary

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



10.1217, 12.2287, 17.1561



10.1145, 8.7359, 6.3077

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.



12.3848, 12.2287, 8.6875



10.1217, 12.2287, 17.1561



13.7124, 12.2287, 12.5308

Square

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



10.1217, 12.2287, 17.1561



12.8965, 12.2287, 18.3401



13.2659, 12.2287, 10.0948



10.4362, 12.2287, 9.3034

Rectangle

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



10.1217, 12.2287, 17.1561



11.5552, 12.2287, 19.8805



13.2659, 12.2287, 10.0948



11.6910, 12.2287, 8.3821

Sweetspot

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



10.1221, 12.2292, 17.1564



23.7464, 26.0777, 30.7117



9.2660, 13.2368, 8.4868



5.6496, 6.2244, 7.3734



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.



10.1221, 12.2292, 17.1564



16.3546, 20.2816, 29.9825



8.1390, 8.2630, 16.4954



3.4280, 3.7214, 4.2918



7.8437, 10.2778, 19.2920



38.5157, 50.0833, 95.9162

Inverse Universe

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



11.1293, 8.3410, 14.1206



18.4274, 12.6588, 23.6498



11.9097, 12.3263, 6.9061



3.4907, 3.4440, 4.1109



9.9775, 4.8834, 12.2233



49.4209, 24.2137, 59.4081

Previews

White Background



This preview shows how the XYZ color 10.1217, 12.2287, 17.1561 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 10.1217, 12.2287, 17.1561 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

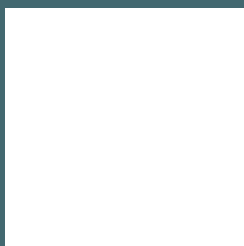
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.1217, 12.2287, 17.1561

Background



This preview shows how black text looks on a background with the XYZ color 10.1217, 12.2287, 17.1561.



This preview shows how white text looks on a background with the XYZ color 10.1217, 12.2287,

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

10.1217, 12.2287, 17.1561

Protanopia

11.9112, 12.1735, 15.9093

Deuteranopia

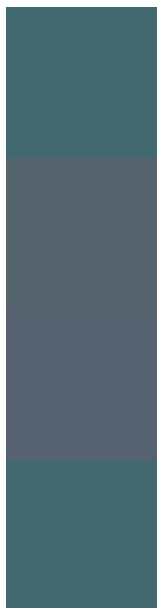
12.2751, 12.0520, 17.5989



Tritanopia

10.1217, 12.2287, 17.1561

Trichromacy



Original Color

10.1217, 12.2287, 17.1561

Protanomaly

11.1552, 12.1969, 16.2343

Deuteranomaly

11.2788, 11.9539, 17.3357

Tritanomaly

10.1217, 12.2287, 17.1561

Monochromacy



Original Color

10.1217, 12.2287, 17.1561

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.3728, 11.5598, 13.9965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1217, 12.2287, 17.1561 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(66, 104, 112) looks like.

```
.text, #text, p{  
    color:rgb(66, 104, 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(66, 104, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 104, 112) }
```

Border

The CSS property to change the border of an element to XYZ 10.1217, 12.2287, 17.1561 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(66, 104, 112) }
```


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

```
.border{ border-color:rgb(66, 104, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 104, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 104, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 104, 112);  
box-shadow:4px 4px 4px 4px rgb(66, 104,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1217, 12.2287, 17.1561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 104, 112) }
```

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

```
.background{ background-color: rgb(66, 104,  
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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