

Converting Colors

XYZ(12.0660, 13.1336, 21.1545)

Have a look what the booklet for
XYZ(12.0660, 13.1336, 21.1545)
contains.

XYZ(12.1317, 13.1751, 21.3057)	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(12.1317, 13.1751,
21.3057)**

Conversions

Conversions Part 1

Format	Color
Hex	52687D
RGB	82, 104, 125
RGB Percent	32%, 41%, 49%
CMY	0.6784, 0.5922, 0.5098
CMYK	0.34, 0.17, 0.00, 0.51
HSL	209°, 21%, 41%
HSV	209°, 34%, 49%
XYZ	12.1317, 13.1751, 21.3057
YIQ	99.8160, -19.8530, 1.8670

Conversions

Conversions Part 2

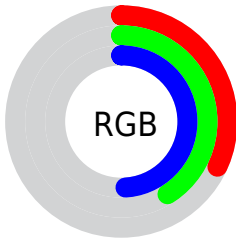
Format	Color
R_{YB}	82, 97, 125
Decimal	5400701
CIE _{Lab}	43.03, -2.67, -14.34
CIE _{LCh}	43, 14.590, 259.436
Yxy	13.1751, 0.2603, 0.2827
Android (android.graphics.Color)	4283590781 (0xFF52687D)
YUV	99.8160, 12.4157, -15.6246
Hunter-Lab	36.2975, -3.8607, -9.3934

Details

The XYZ color **12.1317, 13.1751, 21.3057** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8311, 14.6701, 10.0331**, and the grayscale version is **12.0396, 12.6666, 13.7940**.

A 20% lighter version of the original color is **29.4301, 31.6436, 46.6762**, and **3.4273, 3.7881, 7.3880** is the 20% darker color. If you saturate the color by 10%, you get **10.5498, 11.4805, 21.0622**, and if you desaturate by 10%, it is **13.9570, 15.0619, 21.5739**.

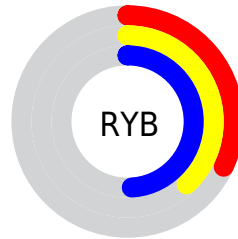
Distribution



Red (32%)

Green (41%)

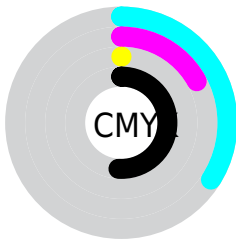
Blue (49%)



Red (32%)

Yellow (38%)

Blue (49%)

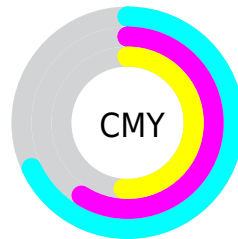


Cyan (34%)

Magenta (17%)

Yellow (0%)

Black (51%)



Cyan (68%)

Magenta (59%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1317, 13.1751, 21.3057 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 12.1317, 13.1751, 21.3057 by changing the saturation by 10% instead.

■ 12.1317, 13.1751,
21.3057

■ 12.1317, 13.1751,
21.3057

199.0274,
212.0368, 271.7329

■ 6.9063, 7.5492,
13.1542

■ 29.3495, 31.6180,
46.4831

■ 3.4494, 3.8079,
7.4029

■ 42.0726, 45.2038,
64.3462

■ 1.3956, 1.5667,
3.6331

■ 58.0257, 62.2118,
86.2835

■ 0.2531, 0.3350,
1.4263

■ 77.5740, 83.0262,
112.7136

■ 0.0000, 0.0000,
0.1621

■ 101.0830,
108.0315, 144.0550

■ 0.0000, 0.0000,
0.0000

128.9180,

137.6121, 180.7264

161.4443,
172.1524, 223.1462

■ 12.1317, 13.1751,
21.3057

■ 12.1317, 13.1751,
21.3057

■ 10.5498, 11.4805,
21.0622

■ 13.9570, 15.0619,
21.5739

■ 9.1984, 9.9690,
20.8417

■ 16.0352, 17.1462,
21.8667

■ 8.0650, 8.6332,
20.6436

■ 18.3771, 19.4351,
22.1851

■ 7.1357, 7.4642,
20.4669

■ 20.9921, 21.9347,
22.5297

■ 6.3943, 6.4524,
20.3107

■ 23.8893, 24.6511,
22.9013

■ 5.8188, 5.5847,
20.1736

■ 27.0774, 27.5899,
23.3005

■ 5.5325, 5.1423,
20.1032

■ 30.5646, 30.7565,
23.7280

■ 34.3589, 34.1561,
24.1842

■ 38.4678, 37.7938,
24.6697

Harmonies

Analogous

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



11.1732, 13.1751, 19.5616



12.1317, 13.1751, 21.3057



13.2532, 13.1751, 20.9858

Triad

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



12.1317, 13.1751, 21.3057



14.6660, 13.1751, 12.3888



10.9562, 13.1751, 10.6956

Complementary

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



12.1317, 13.1751, 21.3057



14.8311, 14.6701, 10.0331

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.



11.8193, 13.1751, 9.2783



12.1317, 13.1751, 21.3057



13.9764, 13.1751, 10.1503

Square

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



12.1317, 13.1751, 21.3057



14.7620, 13.1751, 15.5066



12.9217, 13.1751, 9.0948



10.5219, 13.1751, 13.2437

Rectangle

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



12.1317, 13.1751, 21.3057



13.9415, 13.1751, 19.6578



12.9217, 13.1751, 9.0948



11.2033, 13.1751, 10.0884

Sweetspot

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



12.1321, 13.1756, 21.3060



30.3995, 32.3627, 39.3888



13.2510, 17.4363, 15.4426



6.8072, 7.2558, 8.9448



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.1321, 13.1756, 21.3060



19.5353, 21.2584, 37.8180



10.2535, 9.4183, 20.6798



4.2765, 4.5471, 5.4655



5.7671, 5.3527, 20.9792



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.9738, 11.3945, 14.5600



23.4188, 17.8518, 23.5147



17.2240, 19.4559, 10.8308



4.4124, 4.3781, 4.9762



9.7879, 4.9349, 5.4730



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1317, 13.1751, 21.3057 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 12.1317, 13.1751, 21.3057 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

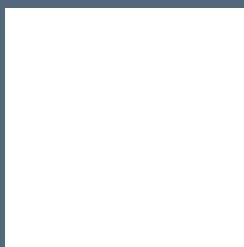
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1317, 13.1751, 21.3057

Background



This preview shows how black text looks on a background with the XYZ color 12.1317, 13.1751, 21.3057.

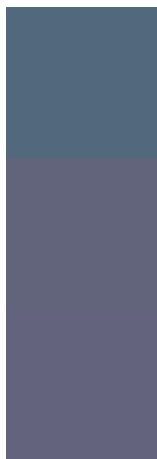


This preview shows how white text looks on a background with the XYZ color 12.1317, 13.1751,

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

12.1317, 13.1751, 21.3057

Protanopia

13.0621, 13.0858, 20.5763

Deuteranopia

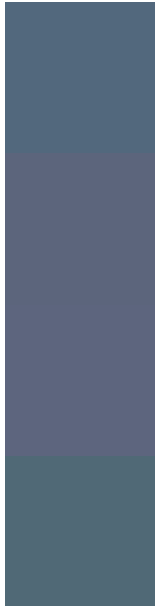
13.3733, 13.0827, 21.5590



Tritanopia

11.4157, 13.1852, 17.8629

Trichromacy



Original Color

12.1317, 13.1751, 21.3057

Protanomaly

12.7054, 13.0379, 20.9157

Deuteranomaly

12.9338, 13.1409, 21.5934

Tritanomaly

11.6299, 13.1166, 19.0583

Monochromacy



Original Color

12.1317, 13.1751, 21.3057

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9282, 12.7386, 16.2981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1317, 13.1751, 21.3057 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(82, 104, 125) looks like.

```
.text, #text, p{  
    color:rgb(82, 104, 125)  
}
```

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(82, 104, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 104, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.1317, 13.1751, 21.3057 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(82, 104, 125) }
```


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

```
.border{ border-color:rgb(82, 104, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 104, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 104, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 104, 125);  
box-shadow:4px 4px 4px 4px rgb(82, 104,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1317, 13.1751, 21.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 104, 125) }
```

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

```
.background{ background-color: rgb(82, 104,  
125) }
```

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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