

Converting Colors

XYZ(12.4058, 13.3068, 21.3488)

Have a look what the booklet for
XYZ(12.4058, 13.3068, 21.3488)
contains.

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Color

**XYZ(12.3983, 13.3126,
21.3182)**

Conversions

Conversions Part 1

Format	Color
Hex	55687D
RGB	85, 104, 125
RGB Percent	33%, 41%, 49%
CMY	0.6667, 0.5921, 0.5098
CMYK	0.32, 0.17, 0.00, 0.51
HSL	211°, 19%, 41%
HSV	211°, 32%, 49%
XYZ	12.3983, 13.3126, 21.3182
YIQ	100.7130, -18.0650, 2.5030

Conversions

Conversions Part 2

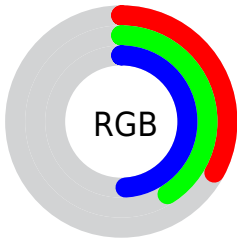
Format	Color
R_{YB}	85, 98, 125
Decimal	5597309
CIE _{Lab}	43.23, -1.73, -14.01
CIE _{LCh}	43, 14.119, 262.977
Yxy	13.3126, 0.2636, 0.2831
Android (android.graphics.Color)	4283787389 (0xFF55687D)
YUV	100.7130, 11.9735, -13.7803
Hunter-Lab	36.4864, -3.1959, -9.1013

Details

The XYZ color **12.3983, 13.3126, 21.3182** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.2514, 15.3241, 10.7487**, and the grayscale version is **12.2695, 12.9085, 14.0574**.

A 20% lighter version of the original color is **29.9106, 31.8913, 46.6987**, and **3.5670, 3.8601, 7.3946** is the 20% darker color. If you saturate the color by 10%, you get **10.7272, 11.5087, 21.0583**, and if you desaturate by 10%, it is **14.3222, 15.3238, 21.6052**.

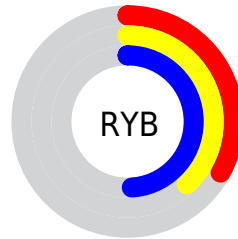
Distribution



Red (33%)

Green (41%)

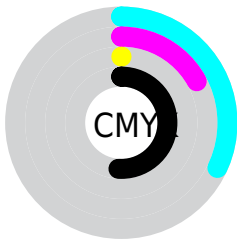
Blue (49%)



Red (33%)

Yellow (38%)

Blue (49%)

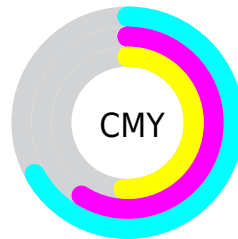


Cyan (32%)

Magenta (17%)

Yellow (0%)

Black (51%)



Cyan (67%)

Magenta (59%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3983, 13.3126, 21.3182 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 12.3983, 13.3126, 21.3182 by changing the saturation by 10% instead.

■ 12.3983, 13.3126,
21.3182

■ 12.3983, 13.3126,
21.3182

200.7411,
212.9115, 271.8011

■ 7.0897, 7.6442,
13.1633

■ 29.8291, 31.8643,
46.5042

■ 3.5651, 3.8681,
7.4090

■ 42.6819, 45.5162,
64.3723

■ 1.4592, 1.6001,
3.6369

■ 58.7803, 62.5982,
86.3152

■ 0.2978, 0.3576,
1.4283

■ 78.4894, 83.4946,
112.7515

■ 0.0000, 0.0000,
0.1637

■ 102.1747,
108.5897, 144.0997

■ 0.0000, 0.0000,
0.0000

130.2015,

138.2679, 180.7784

162.9352,
172.9137, 223.2060

■ 12.3983, 13.3126,
21.3182

■ 12.3983, 13.3126,
21.3182

■ 10.7272, 11.5087,
21.0583

■ 14.3222, 15.3238,
21.6052

■ 9.2959, 9.9027,
20.8238

■ 16.5084, 17.5479,
21.9193

■ 8.0921, 8.4867,
20.6139

■ 18.9678, 19.9925,
22.2615

■ 7.1018, 7.2518,
20.4277

■ 21.7098, 22.6639,
22.6326

■ 6.3092, 6.1878,
20.2641

■ 24.7438, 25.5686,
23.0334

■ 5.6960, 5.2833,
20.1219

■ 28.0783, 28.7124,
23.4645

■ 5.2852, 4.6476,
20.0208

■ 31.7219, 32.1012,
23.9265

■ 35.6825, 35.7405,
24.4202

■ 39.9678, 39.6355,
24.9462

Harmonies

Analogous

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



11.4308, 13.3126, 19.8444



12.3983, 13.3126, 21.3182



13.4905, 13.3126, 20.7645

Triad

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



12.3983, 13.3126, 21.3182



14.6859, 13.3126, 12.2727



11.0501, 13.3126, 11.1681

Complementary

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



12.3983, 13.3126, 21.3182



15.2514, 15.3241, 10.7487

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.



11.8513, 13.3126, 9.6348



12.3983, 13.3126, 21.3182



13.9598, 13.3126, 10.2056

Square

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



12.3983, 13.3126, 21.3182



14.8531, 13.3126, 15.2427



12.9116, 13.3126, 9.3096



10.6820, 13.3126, 13.7725

Rectangle

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



12.3983, 13.3126, 21.3182



14.1389, 13.3126, 19.3536



12.9116, 13.3126, 9.3096



11.2755, 13.3126, 10.5266

Sweetspot

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



12.3987, 13.3131, 21.3185



30.3002, 32.1640, 39.3556



13.6645, 17.6325, 16.2285



6.7822, 7.2059, 8.9365



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.



12.3987, 13.3131, 21.3185



20.0847, 21.5657, 37.8484



10.7576, 9.9407, 20.7541



4.2642, 4.5224, 5.4614



5.5091, 4.8366, 20.8932



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.2050, 11.8568, 14.6372



23.8894, 18.7798, 23.7118



17.3340, 19.6334, 11.4707



4.4062, 4.3756, 4.9434



9.6577, 4.8828, 4.7872



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3983, 13.3126, 21.3182 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 12.3983, 13.3126, 21.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

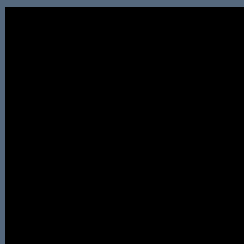
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

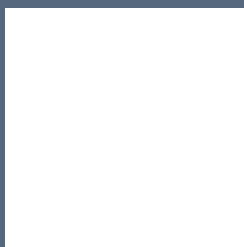
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3983, 13.3126, 21.3182

Background



This preview shows how black text looks on a background with the XYZ color 12.3983, 13.3126, 21.3182.



This preview shows how white text looks on a background with the XYZ color 12.3983, 13.3126,

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

12.3983, 13.3126, 21.3182

Protanopia

13.1586, 13.2788, 20.6084

Deuteranopia

13.5786, 13.3300, 21.5959



Tritanopia

11.7586, 13.3620, 17.8790

Trichromacy



Original Color

12.3983, 13.3126, 21.3182

Protanomaly

12.9037, 13.2851, 20.9530

Deuteranomaly

13.1389, 13.2466, 21.6030

Tritanomaly

11.9777, 13.2960, 19.0746

Monochromacy



Original Color

12.3983, 13.3126, 21.3182

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2852, 13.0614, 16.6255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3983, 13.3126, 21.3182 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(85, 104, 125) looks like.

```
.text, #text, p{  
    color:rgb(85, 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(85, 104, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 104, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.3983, 13.3126, 21.3182 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(85, 104, 125) }
```


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

```
.border{ border-color:rgb(85, 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(85, 104, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 104, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 104, 125);  
box-shadow:4px 4px 4px 4px rgb(85, 104,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3983, 13.3126, 21.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 104, 125) }
```

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

```
.background{ background-color: rgb(85, 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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