

Converting Colors

XYZ(12.2348, 13.5296, 19.5834)

Have a look what the booklet for
XYZ(12.2348, 13.5296, 19.5834)
contains.

XYZ(12.2905, 13.5954, 19.7457)	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(12.2905, 13.5954,
19.7457)**

Conversions

Conversions Part 1

Format	Color
Hex	556A78
RGB	85, 106, 120
RGB Percent	33%, 42%, 47%
CMY	0.6667, 0.5843, 0.5294
CMYK	0.29, 0.12, 0.00, 0.53
HSL	204°, 17%, 40%
HSV	204°, 29%, 47%
XYZ	12.2905, 13.5954, 19.7457
YIQ	101.3170, -17.0100, -0.0980

Conversions

Conversions Part 2

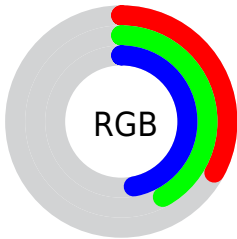
Format	Color
R_{YB}	85, 98, 120
Decimal	5597816
CIE _{Lab}	43.65, -4.26, -10.37
CIE _{LCh}	44, 11.206, 247.666
Yxy	13.5954, 0.2693, 0.2979
Android (android.graphics.Color)	4283787896 (0xFF556A78)
YUV	101.3170, 9.2107, -14.3100
Hunter-Lab	36.8719, -5.0266, -5.9407




Details

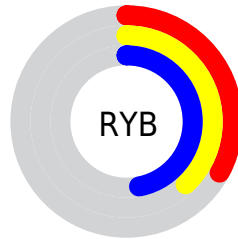
The XYZ color **12.2905, 13.5954, 19.7457** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.8475, 13.5728, 10.4846**, and the grayscale version is **12.4320, 13.0794, 14.2435**.




A 20% lighter version of the original color is **29.4950, 32.2434, 43.6988**, and **3.5330, 4.0079, 6.7183** is the 20% darker color. If you saturate the color by 10%, you get **10.8113, 12.1193, 19.5390**, and if you desaturate by 10%, it is **13.9830, 15.2232, 19.9709**.

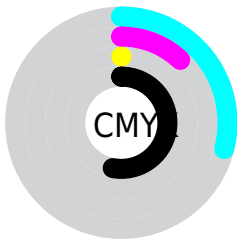
Distribution







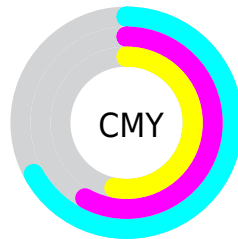
-  Red (33%)
-  Green (42%)
-  Blue (47%)






-  Red (33%)
-  Yellow (38%)
-  Blue (47%)



-  Cyan (29%)
-  Magenta (12%)
-  Yellow (0%)
-  Black (53%)



-  Cyan (67%)
-  Magenta (58%)
-  Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2905, 13.5954, 19.7457 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 12.2905, 13.5954, 19.7457 by changing the saturation by 10% instead.

■ 12.2905, 13.5954,
19.7457

■ 12.2905, 13.5954,
19.7457

200.0500,
214.6991, 263.0936

■ 7.0154, 7.8398,
12.0281

■ 29.6354, 32.3694,
43.8438

■ 3.5182, 3.9926,
6.6400

■ 42.4359, 46.1566,
61.0613

■ 1.4333, 1.6694,
3.1630

■ 58.4757, 63.3897,
82.2826

■ 0.2798, 0.4037,
1.1785

■ 78.1200, 84.4533,
107.9261

■ 0.0000, 0.0000,
0.0000

■ 101.7342,
109.7316, 138.4104

129.6837,

139.6090, 174.1541

162.3339,
174.4701, 215.5757

■ 12.2905, 13.5954,
19.7457

■ 12.2905, 13.5954,
19.7457

■ 10.8113, 12.1193,
19.5390

■ 13.9830, 15.2232,
19.9709

■ 9.5345, 10.7876,
19.3492

■ 15.8967, 17.0065,
20.2143

■ 8.4497, 9.5948,
19.1762

■ 18.0405, 18.9508,
20.4766

■ 7.5455, 8.5340,
19.0191

■ 20.4225, 21.0609,
20.7583

■ 6.8087, 7.5979,
18.8772

■ 23.0503, 23.3414,
21.0600

■ 6.2244, 6.7780,
18.7498

■ 25.9314, 25.7967,
21.3821

■ 5.7463, 6.0497,
18.6344

■ 29.0726, 28.4308,
21.7249

■ 5.7078, 5.9913,
18.6251

■ 32.4807, 31.2479,
22.0891

■ 36.1622, 34.2519,
22.4749

Harmonies

Analogous

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



11.6301, 13.5954, 17.9615



12.2905, 13.5954, 19.7457



13.1488, 13.5954, 20.1357

Triad

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



12.2905, 13.5954, 19.7457



14.6700, 13.5954, 14.1668



11.9167, 13.5954, 11.2933

Complementary

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



12.2905, 13.5954, 19.7457



13.8475, 13.5728, 10.4846

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.



12.6979, 13.5954, 10.5064



12.2905, 13.5954, 19.7457



14.3063, 13.5954, 12.0385

Square

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



12.2905, 13.5954, 19.7457



14.5489, 13.5954, 16.7192



13.5748, 13.5954, 10.7628



11.4212, 13.5954, 13.0393

Rectangle

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



12.2905, 13.5954, 19.7457



13.7226, 13.5954, 19.5160



13.5748, 13.5954, 10.7628



12.1532, 13.5954, 10.9174

Sweetspot

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



12.2909, 13.5959, 19.7460



27.9395, 29.8931, 35.5504



12.6874, 16.2543, 14.1277



6.5196, 6.9907, 8.4124



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.



12.2909, 13.5959, 19.7460



19.8355, 22.1459, 34.4822



10.7161, 10.4464, 19.2211



3.9789, 4.2561, 5.0550



6.2127, 6.5079, 20.3140



28.7856, 29.3438, 96.6165

Inverse Universe

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



13.5961, 11.5310, 15.1453



22.5749, 18.0663, 24.7692



15.6215, 17.1208, 11.0760



4.0898, 4.0516, 4.6705



9.7192, 4.8638, 7.0784



45.9328, 23.0295, 31.5057

Previews

White Background



This preview shows how the XYZ color 12.2905, 13.5954, 19.7457 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 12.2905, 13.5954, 19.7457 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

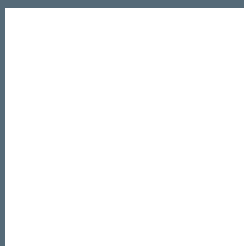
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2905, 13.5954, 19.7457

Background



This preview shows how black text looks on a background with the XYZ color 12.2905, 13.5954, 19.7457.



This preview shows how white text looks on a background with the XYZ color 12.2905, 13.5954,

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

12.2905, 13.5954, 19.7457

Protanopia

13.2178, 13.4964, 18.7380

Deuteranopia

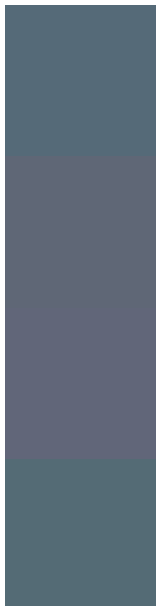
13.7173, 13.4379, 19.9600



Tritanopia

12.0084, 13.6380, 18.2191

Trichromacy



Original Color

12.2905, 13.5954, 19.7457

Protanomaly

12.8396, 13.4414, 19.0573

Deuteranomaly

13.1323, 13.4246, 19.9882

Tritanomaly

12.1247, 13.6846, 18.8320

Monochromacy



Original Color

12.2905, 13.5954, 19.7457

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2763, 13.2161, 16.0913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2905, 13.5954, 19.7457 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, 106, 120) looks like.

```
.text, #text, p{  
    color:rgb(85, 106, 120)  
}
```

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, 106, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 106, 120) }
```

Border

The CSS property to change the border of an element to XYZ 12.2905, 13.5954, 19.7457 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, 106, 120) }
```


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

```
.border{ border-color:rgb(85, 106, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 106, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 106, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 106, 120);  
box-shadow:4px 4px 4px 4px rgb(85, 106,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2905, 13.5954, 19.7457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 106, 120) }
```

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

```
.background{ background-color: rgb(85, 106,  
120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor