

Converting Colors

XYZ(12.1156, 12.5923, 14.3624)

Have a look what the booklet for
XYZ(12.1156, 12.5923, 14.3624)
contains.

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Color

**XYZ(12.1156, 12.5923,
14.3624)**

Conversions

Conversions Part 1

Format	Color
Hex	646366
RGB	100, 99, 102
RGB Percent	39%, 39%, 40%
CMY	0.6078, 0.6118, 0.6000
CMYK	0.02, 0.03, 0.00, 0.60
HSL	260°, 1%, 39%
HSV	260°, 3%, 40%
XYZ	12.1156, 12.5923, 14.3624
YIQ	99.6410, -0.3670, 1.1450

Conversions

Conversions Part 2

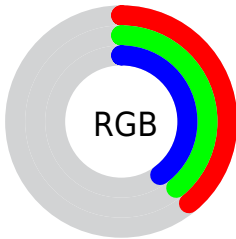
Format	Color
R_{YB}	100, 99, 102
Decimal	6579046
CIE Lab	42.14, 1.02, -1.56
CIE LCh	42, 1.868, 303.169
Yxy	12.5923, 0.3101, 0.3223
Android (android.graphics.Color)	4284769126 (0xFF646366)
YUV	99.6410, 1.1630, 0.3148
Hunter-Lab	35.4856, -1.1559, 0.8430

Details

The XYZ color **12.1156, 12.5923, 14.3624** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3709, 13.1707, 13.6952**, and the grayscale version is **12.0193, 12.6452, 13.7706**.

A 20% lighter version of the original color is **29.4186, 30.6919, 34.5106**, and **3.4309, 3.5789, 4.1244** is the 20% darker color. If you saturate the color by 10%, you get **10.4882, 10.4086, 14.0269**, and if you desaturate by 10%, it is **13.9287, 15.0537, 14.7421**.

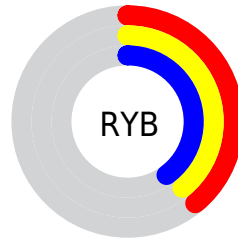
Distribution



Red (39%)

Green (39%)

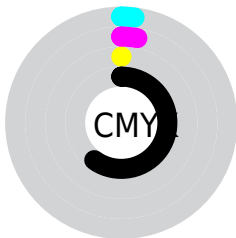
Blue (40%)



Red (39%)

Yellow (39%)

Blue (40%)

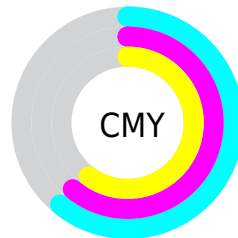


Cyan (2%)

Magenta (3%)

Yellow (0%)

Black (60%)



Cyan (61%)

Magenta (61%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1156, 12.5923, 14.3624 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 12.1156, 12.5923, 14.3624 by changing the saturation by 10% instead.

■ 12.1156, 12.5923,
14.3624

■ 12.1156, 12.5923,
14.3624

198.9234,
208.2880, 230.9801

■ 6.8952, 7.1484,
8.2315

■ 29.3205, 30.5694,
34.4570

■ 3.4424, 3.5551,
4.1536

■ 42.0357, 43.8713,
49.2578

■ 1.3918, 1.4279,
1.7100

■ 57.9800, 60.5614,
67.7857

■ 0.2504, 0.2372,
0.3675

■ 77.5185, 81.0241,
90.4592

■ 0.0000, 0.0000,
0.0000

101.0168,
105.6437, 117.6969

128.8401,

134.8046, 149.9172

161.3539,
168.8912, 187.5388

■ 12.1156, 12.5923,
14.3624

■ 12.1156, 12.5923,
14.3624

■ 10.4882, 10.4086,
14.0269

■ 13.9287, 15.0537,
14.7421

■ 9.0393, 8.4910,
13.7331

■ 15.9323, 17.8005,
15.1667

■ 7.7629, 6.8297,
13.4797

■ 18.1321, 20.8422,
15.6379

■ 6.6523, 5.4136,
13.2649

■ 20.5335, 24.1872,
16.1570

■ 5.7001, 4.2306,
13.0868

■ 23.1415, 27.8438,
16.7253

■ 4.8985, 3.2678,
12.9432

■ 25.9611, 31.8198,
17.3441

■ 4.2389, 2.5107,
12.8318

■ 28.9969, 36.1228,
18.0147

■ 3.7117, 1.9433,
12.7501

■ 32.2536, 40.7601,
18.7381

■ 3.3036, 1.5421,
12.6941

■ 35.7356, 45.7388,
19.5156

Harmonies

Analogous

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



11.9834, 12.5923, 14.4904



12.1156, 12.5923, 14.3624



12.2090, 12.5923, 14.0597

Triad

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



12.1156, 12.5923, 14.3624



12.0898, 12.5923, 13.0383



11.7034, 12.5923, 13.7533

Complementary

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



12.1156, 12.5923, 14.3624



12.3709, 13.1707, 13.6952

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.



11.7314, 12.5923, 13.3679



12.1156, 12.5923, 14.3624



11.9538, 12.5923, 12.9599

Square

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



12.1156, 12.5923, 14.3624



12.1940, 12.5923, 13.2959



11.8228, 12.5923, 13.0794



11.7460, 12.5923, 14.1344

Rectangle

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



12.1156, 12.5923, 14.3624



12.2363, 12.5923, 13.8022



11.8228, 12.5923, 13.0794



11.7049, 12.5923, 13.6199

Sweetspot

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



12.1160, 12.5928, 14.3627



21.8304, 22.8713, 25.3097



12.2029, 12.9295, 14.4231



5.1565, 5.4044, 5.9721



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



12.1160, 12.5928, 14.3627



20.8962, 21.6096, 25.1154



12.2779, 12.6763, 14.3703



2.9541, 3.0503, 3.5650



3.8862, 1.6476, 16.2575



19.4244, 8.1579, 84.7523

Inverse Universe

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



12.2908, 12.6887, 14.1141



21.3231, 21.8436, 24.5066



12.2099, 13.0877, 13.6877



3.0197, 3.0863, 3.4713



8.3617, 4.1576, 7.3032



43.1936, 21.5174, 35.8927

Previews

White Background



This preview shows how the XYZ color 12.1156, 12.5923, 14.3624 looks on a white background.

Color Contrast Check

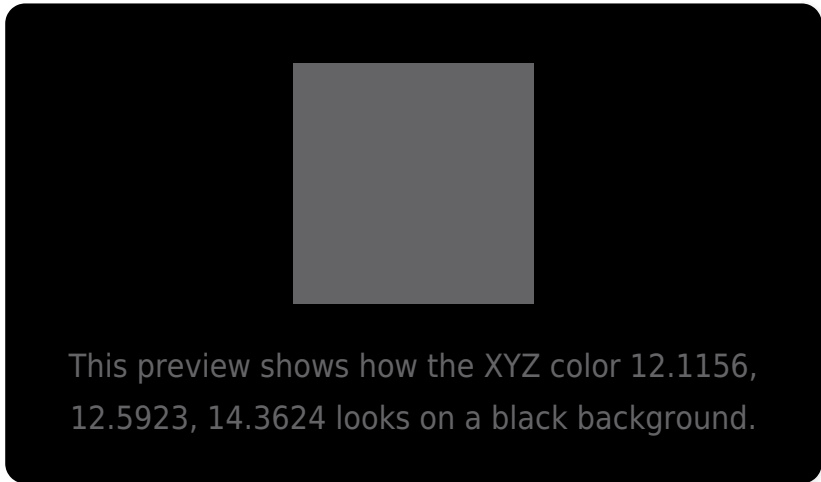
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

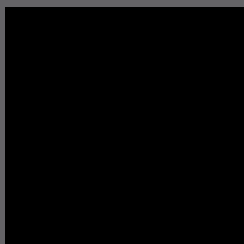
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

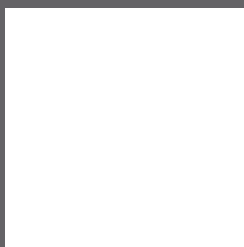
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1156, 12.5923, 14.3624

Background



This preview shows how black text looks on a background with the XYZ color 12.1156, 12.5923, 14.3624.



This preview shows how white text looks on a background with the XYZ color 12.1156, 12.5923,

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

12.1156, 12.5923, 14.3624

Protanopia

12.1156, 12.5923, 14.3624

Deuteranopia

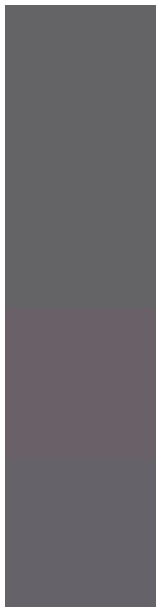
12.8154, 12.5332, 14.5757



Tritanopia

12.3360, 12.5427, 15.4065

Trichromacy



Original Color

12.1156, 12.5923, 14.3624

Protanomaly

12.1156, 12.5923, 14.3624

Deuteranomaly

12.5486, 12.5319, 14.5895

Tritanomaly

12.2843, 12.5220, 15.1341

Monochromacy



Original Color

12.1156, 12.5923, 14.3624

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1617, 12.7633, 14.1345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1156, 12.5923, 14.3624 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(100, 99, 102)` looks like.

```
.text, #text, p{  
    color:rgb(100, 99, 102)  
}
```

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(100, 99, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 99, 102) }
```

Border

The CSS property to change the border of an element to XYZ 12.1156, 12.5923, 14.3624 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(100, 99, 102) }
```


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

```
.border{ border-color:rgb(100, 99, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 99, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 99, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 99, 102);  
box-shadow:4px 4px 4px 4px rgb(100, 99,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1156, 12.5923, 14.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 99, 102) }
```

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

```
.background{ background-color: rgb(100, 99,  
102) }
```

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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