

Converting Colors

XYZ(12.4246, 12.2584, 20.3323)

Have a look what the booklet for
XYZ(12.4246, 12.2584, 20.3323)
contains.

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Color

**XYZ(12.3741, 12.1755,
20.4368)**

Conversions

Conversions Part 1

Format	Color
Hex	5E607B
RGB	94, 96, 123
RGB Percent	37%, 38%, 48%
CMY	0.6314, 0.6235, 0.5176
CMYK	0.24, 0.22, 0.00, 0.52
HSL	236°, 13%, 43%
HSV	236°, 24%, 48%
XYZ	12.3741, 12.1755, 20.4368
YIQ	98.4800, -9.8590, 7.9730

Conversions

Conversions Part 2

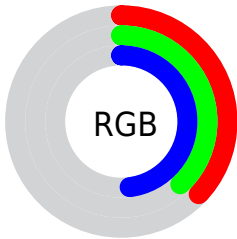
Format	Color
R_{YB}	94, 96, 123
Decimal	6185083
CIE _{Lab}	41.49, 5.60, -15.38
CIE _{LCh}	41, 16.370, 289.986
Yxy	12.1755, 0.2751, 0.2706
Android (android.graphics.Color)	4284375163 (0xFF5E607B)
YUV	98.4800, 12.0884, -3.9290
Hunter-Lab	34.8934, 2.2372, -10.3003

Details

The XYZ color **12.3741, 12.1755, 20.4368** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.0262, 18.6938, 13.3008**, and the grayscale version is **11.7020, 12.3114, 13.4071**.

A 20% lighter version of the original color is **29.7924, 29.7121, 45.2391**, and **3.5489, 3.3800, 6.9439** is the 20% darker color. If you saturate the color by 10%, you get **10.2422, 9.6371, 20.0594**, and if you desaturate by 10%, it is **14.8600, 15.1230, 20.8749**.

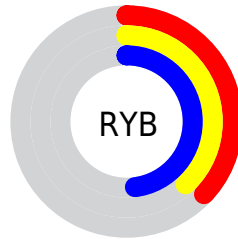
Distribution



Red (37%)

Green (38%)

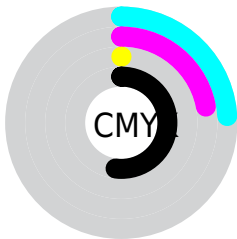
Blue (48%)



Red (37%)

Yellow (38%)

Blue (48%)

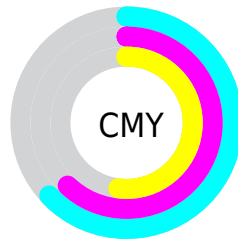


Cyan (24%)

Magenta (22%)

Yellow (0%)

Black (52%)



Cyan (63%)

Magenta (62%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3741, 12.1755, 20.4368 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 12.3741, 12.1755, 20.4368 by changing the saturation by 10% instead.

■ 12.3741, 12.1755,
20.4368

■ 12.3741, 12.1755,
20.4368

200.5862,
205.5637, 266.9521

■ 7.0730, 6.8633,
12.5257

■ 29.7856, 29.8143,
45.0169

■ 3.5545, 3.3768,
6.9759

■ 42.6268, 42.9098,
62.5229

■ 1.4533, 1.3315,
3.3688

■ 58.7119, 59.3684,
84.0644

■ 0.2938, 0.1654,
1.2859

■ 78.4065, 79.5747,
110.0599

■ 0.0000, 0.0000,
0.0502

102.0759,
103.9130, 140.9278

■ 0.0000, 0.0000,
0.0000

130.0854,

132.7676, 177.0868

162.8004,
166.5231, 218.9554

■ 12.3741, 12.1755,
20.4368

■ 12.3741, 12.1755,
20.4368

■ 10.2422, 9.6371,
20.0594

■ 14.8600, 15.1230,
20.8749

■ 8.4471, 7.4882,
19.7392

■ 17.7138, 18.4949,
21.3753

■ 6.9719, 5.7100,
19.4738

■ 20.9501, 22.3077,
21.9407

■ 5.7977, 4.2816,
19.2599

■ 24.5822, 26.5765,
22.5732

■ 4.9037, 3.1796,
19.0944

■ 28.6228, 31.3156,
23.2750

■ 4.2665, 2.3784,
18.9733

■ 33.0843, 36.5389,
24.0481

■ 3.8571, 1.8470,
18.8923

■ 37.9782, 42.2595,
24.8943

■ 3.6673, 1.6143,
18.8574

■ 43.3158, 48.4902,
25.8156

■ 49.1079, 55.2431,
26.8138

Harmonies

Analogous

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



11.1782, 12.1755, 20.8336



12.3741, 12.1755, 20.4368



13.4192, 12.1755, 17.9443

Triad

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



12.3741, 12.1755, 20.4368



13.1105, 12.1755, 8.8362



9.4578, 12.1755, 12.1475

Complementary

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



12.3741, 12.1755, 20.4368



17.0262, 18.6938, 13.3008

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.



9.9034, 12.1755, 9.4666



12.3741, 12.1755, 20.4368



11.9758, 12.1755, 7.7841

Square

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



12.3741, 12.1755, 20.4368



13.8642, 12.1755, 11.1366



10.8062, 12.1755, 7.9931



9.5483, 12.1755, 15.6309

Rectangle

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



12.3741, 12.1755, 20.4368



13.8638, 12.1755, 15.6343



10.8062, 12.1755, 7.9931



9.5486, 12.1755, 11.1339

Sweetspot

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



12.3745, 12.1760, 20.4371



29.8057, 30.8589, 37.9420



15.1250, 17.9161, 20.6167



6.9668, 7.2052, 8.9266



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.



12.3745, 12.1760, 20.4371



20.1303, 19.3906, 36.2384



13.5319, 12.5050, 20.4396



3.8178, 3.9339, 5.0013



3.7921, 1.6666, 19.5071



17.8491, 7.4709, 92.9711

Inverse Universe

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



14.2827, 13.0612, 12.8352



24.1508, 21.2816, 20.2159



15.6486, 18.3484, 13.3068



4.0085, 4.0191, 4.2424



8.4974, 4.3751, 0.6442



40.4126, 20.8214, 2.4367

Previews

White Background



This preview shows how the XYZ color 12.3741, 12.1755, 20.4368 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 12.3741, 12.1755, 20.4368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

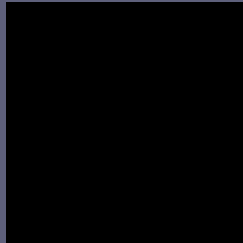
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3741, 12.1755, 20.4368

Background



This preview shows how black text looks on a background with the XYZ color 12.3741, 12.1755, 20.4368.



This preview shows how white text looks on a background with the XYZ color 12.3741, 12.1755,

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

12.3741, 12.1755, 20.4368

Protanopia

12.2272, 12.2288, 20.7847

Deuteranopia

12.3741, 12.1755, 20.4368



Tritanopia

11.4301, 12.2094, 15.6641

Trichromacy



Original Color

12.3741, 12.1755, 20.4368

Protanomaly

12.3264, 12.2799, 20.7894

Deuteranomaly

12.3741, 12.1755, 20.4368

Tritanomaly

11.7620, 12.2029, 17.3583

Monochromacy



Original Color

12.3741, 12.1755, 20.4368

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8583, 12.1523, 15.6305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3741, 12.1755, 20.4368 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(94, 96, 123) looks like.

```
.text, #text, p{  
    color:rgb(94, 96, 123)  
}
```

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(94, 96, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 96, 123) }
```

Border

The CSS property to change the border of an element to XYZ 12.3741, 12.1755, 20.4368 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(94, 96, 123) }
```


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

```
.border{ border-color:rgb(94, 96, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 96, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 96, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 96, 123);  
box-shadow:4px 4px 4px 4px rgb(94, 96,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3741, 12.1755, 20.4368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 96, 123) }
```

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

```
.background{ background-color: rgb(94, 96,  
123) }
```

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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