

Converting Colors

XYZ(12.4966, 12.2027, 20.6149)

Have a look what the booklet for
XYZ(12.4966, 12.2027, 20.6149)
contains.

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Color

**XYZ(12.5403, 12.2539,
20.7731)**

Conversions

Conversions Part 1

Format	Color
Hex	5F607C
RGB	95, 96, 124
RGB Percent	37%, 38%, 49%
CMY	0.6274, 0.6235, 0.5137
CMYK	0.23, 0.23, 0.00, 0.51
HSL	238°, 13%, 43%
HSV	238°, 23%, 49%
XYZ	12.5403, 12.2539, 20.7731
YIQ	98.8930, -9.5840, 8.4960

Conversions

Conversions Part 2

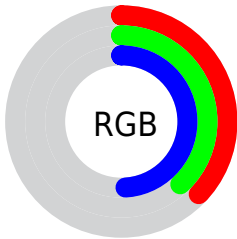
Format	Color
R_{YB}	95, 96, 124
Decimal	6250620
CIE _{Lab}	41.62, 6.19, -15.80
CIE _{LCh}	42, 16.967, 291.410
Yxy	12.2539, 0.2752, 0.2689
Android (android.graphics.Color)	4284440700 (0xFF5F607C)
YUV	98.8930, 12.3778, -3.4142
Hunter-Lab	35.0056, 2.6856, -10.6801

Details

The XYZ color **12.5403, 12.2539, 20.7731** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.4609, 19.2773, 13.6275**, and the grayscale version is **11.8047, 12.4195, 13.5248**.

A 20% lighter version of the original color is **30.0688, 29.8431, 45.7705**, and **3.6295, 3.4176, 7.1250** is the 20% darker color. If you saturate the color by 10%, you get **10.3430, 9.6215, 20.3810**, and if you desaturate by 10%, it is **15.1098, 15.3257, 21.2308**.

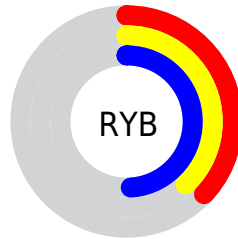
Distribution



Red (37%)

Green (38%)

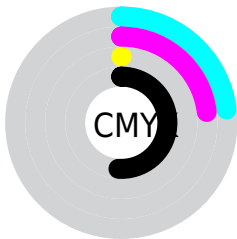
Blue (49%)



Red (37%)

Yellow (38%)

Blue (49%)

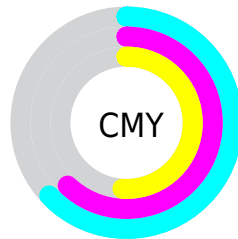


Cyan (23%)

Magenta (23%)

Yellow (0%)

Black (51%)



Cyan (63%)

Magenta (62%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5403, 12.2539, 20.7731 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 12.5403, 12.2539, 20.7731 by changing the saturation by 10% instead.

■ 12.5403, 12.2539,
20.7731

■ 12.5403, 12.2539,
20.7731

201.6478,
206.0790, 268.8115

■ 7.1876, 6.9168,
12.7686

■ 30.0838, 29.9567,
45.5855

■ 3.6271, 3.4101,
7.1406

■ 43.0053, 43.0912,
63.2305

■ 1.4934, 1.3494,
3.4704

■ 59.1804, 59.5937,
84.9260

■ 0.3213, 0.1790,
1.3395

■ 78.9745, 79.8485,
111.0907

■ 0.0000, 0.0000,
0.0939

102.7529,
104.2400, 142.1431

■ 0.0000, 0.0000,
0.0000

130.8811,

133.1527, 178.5016

163.7242,
166.9709, 220.5849

■ 12.5403, 12.2539,
20.7731

■ 12.5403, 12.2539,
20.7731

■ 10.3430, 9.6215,
20.3810

■ 15.1098, 15.3257,
21.2308

■ 8.4996, 7.4071,
20.0507

■ 18.0664, 18.8543,
21.7560

■ 6.9919, 5.5896,
19.7794

■ 21.4257, 22.8576,
22.3517

■ 5.7997, 4.1455,
19.5635

■ 25.2019, 27.3524,
23.0203

■ 4.9005, 3.0489,
19.3992

■ 29.4086, 32.3546,
23.7641

■ 4.2691, 2.2706,
19.2823

■ 34.0589, 37.8793,
24.5853

■ 3.8747, 1.7759,
19.2076

■ 39.1652, 43.9411,
25.4863

■ 3.6846, 1.5481,
19.1736

■ 44.7395, 50.5539,
26.4689

■ 50.7931, 57.7312,
27.5352

Harmonies

Analogous

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



11.2940, 12.2539, 21.3084



12.5403, 12.2539, 20.7731



13.6143, 12.2539, 18.0772

Triad

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



12.5403, 12.2539, 20.7731



13.2003, 12.2539, 8.6803



9.4424, 12.2539, 12.3471

Complementary

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



12.5403, 12.2539, 20.7731



17.4609, 19.2773, 13.6275

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.



9.8789, 12.2539, 9.5162



12.5403, 12.2539, 20.7731



12.0072, 12.2539, 7.6598

Square

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



12.5403, 12.2539, 20.7731



14.0138, 12.2539, 10.9991



10.7971, 12.2539, 7.9360



9.5629, 12.2539, 15.9969

Rectangle

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



12.5403, 12.2539, 20.7731



14.0593, 12.2539, 15.6427



10.7971, 12.2539, 7.9360



9.5277, 12.2539, 11.2794

Sweetspot

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



12.5407, 12.2544, 20.7734



29.7438, 30.7351, 37.9214



15.4743, 18.2673, 21.3021



6.9514, 7.1745, 8.9215



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.



12.5407, 12.2544, 20.7734



19.9476, 19.0251, 36.1775



13.9211, 12.8313, 20.8120



3.8077, 3.9137, 4.9979



3.7453, 1.5730, 19.4915



17.7367, 7.2460, 92.9336

Inverse Universe

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



14.5161, 13.3144, 12.8717



24.0585, 21.2447, 19.7302



15.8228, 18.6181, 13.5865



4.0034, 4.0171, 4.2155



8.4738, 4.3657, 0.5199



40.3558, 20.7987, 2.1377

Previews

White Background



This preview shows how the XYZ color 12.5403, 12.2539, 20.7731 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 12.5403, 12.2539, 20.7731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

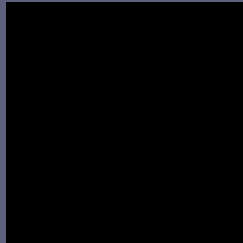
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5403, 12.2539, 20.7731

Background



This preview shows how black text looks on a background with the XYZ color 12.5403, 12.2539, 20.7731.



This preview shows how white text looks on a background with the XYZ color 12.5403, 12.2539,

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

12.5403, 12.2539, 20.7731

Protanopia

12.2907, 12.2542, 21.1195

Deuteranopia

12.4371, 12.2007, 20.7682



Tritanopia

11.5293, 12.2605, 15.6688

Trichromacy



Original Color

12.5403, 12.2539, 20.7731

Protanomaly

12.3900, 12.3054, 21.1242

Deuteranomaly

12.4371, 12.2007, 20.7682

Tritanomaly

11.8625, 12.2548, 17.3630

Monochromacy



Original Color

12.5403, 12.2539, 20.7731

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1115, 12.4147, 15.9453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5403, 12.2539, 20.7731 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(95, 96, 124) looks like.

```
.text, #text, p{  
    color:rgb(95, 96, 124)  
}
```

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(95, 96, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 96, 124) }
```

Border

The CSS property to change the border of an element to XYZ 12.5403, 12.2539, 20.7731 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(95, 96, 124) }
```


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

```
.border{ border-color:rgb(95, 96, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 96, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 96, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 96, 124);  
box-shadow:4px 4px 4px 4px rgb(95, 96,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5403, 12.2539, 20.7731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 96, 124) }
```

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

```
.background{ background-color: rgb(95, 96,  
124) }
```

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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