

Converting Colors

XYZ(12.3763, 11.7707, 20.6885)

Have a look what the booklet for
XYZ(12.3763, 11.7707, 20.6885)
contains.

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Color

**XYZ(12.3763, 11.7707,
20.6885)**

Conversions

Conversions Part 1

Format	Color
Hex	605D7C
RGB	96, 93, 124
RGB Percent	38%, 36%, 49%
CMY	0.6235, 0.6353, 0.5137
CMYK	0.23, 0.25, 0.00, 0.51
HSL	246°, 14%, 43%
HSV	246°, 25%, 49%
XYZ	12.3763, 11.7707, 20.6885
YIQ	97.4310, -8.1630, 10.2770

Conversions

Conversions Part 2

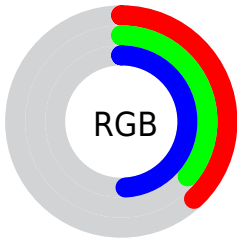
Format	Color
R_{YB}	96, 93, 124
Decimal	6315388
CIE Lab	40.85, 8.39, -16.96
CIE LCh	41, 18.924, 296.310
Yxy	11.7707, 0.2760, 0.2625
Android (android.graphics.Color)	4284505468 (0xFF605D7C)
YUV	97.4310, 13.0985, -1.2550
Hunter-Lab	34.3085, 4.3516, -11.7368

Details

The XYZ color **12.3763, 11.7707, 20.6885** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.0690, 19.2709, 13.1764**, and the grayscale version is **11.4388, 12.0345, 13.1056**.

A 20% lighter version of the original color is **29.7909, 29.0223, 45.6267**, and **3.5531, 3.1940, 7.0858** is the 20% darker color. If you saturate the color by 10%, you get **10.2794, 9.2031, 20.3036**, and if you desaturate by 10%, it is **14.8184, 14.7788, 21.1406**.

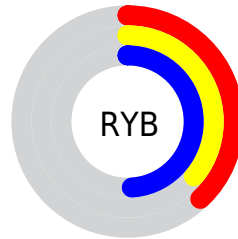
Distribution



Red (38%)

Green (36%)

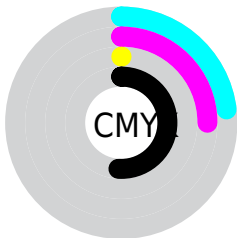
Blue (49%)



Red (38%)

Yellow (36%)

Blue (49%)

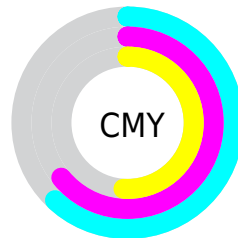


Cyan (23%)

Magenta (25%)

Yellow (0%)

Black (51%)



Cyan (62%)

Magenta (64%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3763, 11.7707, 20.6885 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 12.3763, 11.7707, 20.6885 by changing the saturation by 10% instead.

■ 12.3763, 11.7707,
20.6885

■ 12.3763, 11.7707,
20.6885

200.6003,
202.8813, 268.3448

■ 7.0745, 6.5877,
12.7075

■ 29.7896, 29.0768,
45.4426

■ 3.5555, 3.2056,
7.0991

■ 42.6318, 41.9687,
63.0527

■ 1.4539, 1.2400,
3.4448

■ 58.7182, 58.1991,
84.7096

■ 0.2941, 0.0940,
1.3260

■ 78.4141, 78.1523,
110.8319

■ 0.0000, 0.0000,
0.0829

102.0849,
102.2127, 141.8380

■ 0.0000, 0.0000,
0.0000

130.0960,

130.7647, 178.1465

162.8126,
164.1928, 220.1759

■ 12.3763, 11.7707,
20.6885

■ 12.3763, 11.7707,
20.6885

■ 10.2794, 9.2031,
20.3036

■ 14.8184, 14.7788,
21.1406

■ 8.5109, 7.0540,
19.9820

■ 17.6192, 18.2453,
21.6621

■ 7.0546, 5.3016,
19.7205

■ 20.7927, 22.1888,
22.2560

■ 5.8921, 3.9214,
19.5154

■ 24.3519, 26.6264,
22.9249

■ 5.0032, 2.8864,
19.3625

■ 28.3093, 31.5744,
23.6714

■ 4.3654, 2.1659,
19.2570

■ 32.6765, 37.0483,
24.4978

■ 3.9475, 1.7147,
19.1919

■ 37.4650, 43.0631,
25.4064

■ 3.7897, 1.5334,
19.1653

■ 42.6857, 49.6330,
26.3994

■ 48.3491, 56.7718,
27.4788

Harmonies

Analogous

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



11.0217, 11.7707, 21.7429



12.3763, 11.7707, 20.6885



13.4859, 11.7707, 17.3906

Triad

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



12.3763, 11.7707, 20.6885



12.6879, 11.7707, 7.5789



8.7953, 11.7707, 12.3445

Complementary

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



12.3763, 11.7707, 20.6885



17.0690, 19.2709, 13.1764

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.



9.1667, 11.7707, 9.1239



12.3763, 11.7707, 20.6885



11.3553, 11.7707, 6.7441

Square

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



12.3763, 11.7707, 20.6885



13.6757, 11.7707, 9.7996



10.0777, 11.7707, 7.2473



9.0214, 11.7707, 16.3960

Rectangle

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



12.3763, 11.7707, 20.6885



13.8997, 11.7707, 14.6546



10.0777, 11.7707, 7.2473



8.8536, 11.7707, 11.1385

Sweetspot

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



12.3767, 11.7712, 20.6888



29.8823, 30.7149, 37.9102



15.0408, 17.5590, 21.6655



6.9858, 7.1694, 8.9187



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.



12.3767, 11.7712, 20.6888



19.5987, 18.0400, 36.0057



14.1189, 12.6693, 20.7703



3.8303, 3.9104, 4.9961



3.8514, 1.5582, 19.4831



18.0290, 7.2563, 92.9202

Inverse Universe

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



15.6781, 13.4947, 19.8680



26.4716, 21.6296, 34.2263



15.1177, 18.2650, 13.0851



4.1386, 4.0712, 4.9274



11.4229, 5.5453, 16.0497



54.3148, 26.3823, 75.6449

Previews

White Background



This preview shows how the XYZ color 12.3763, 11.7707, 20.6885 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 12.3763, 11.7707, 20.6885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

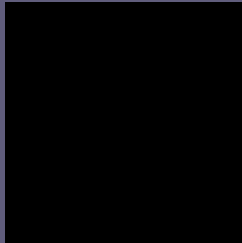
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3763, 11.7707, 20.6885

Background



This preview shows how black text looks on a background with the XYZ color 12.3763, 11.7707, 20.6885.

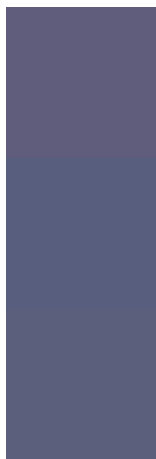


This preview shows how white text looks on a background with the XYZ color 12.3763, 11.7707,

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

12.3763, 11.7707, 20.6885

Protanopia

11.8826, 11.7655, 21.3833

Deuteranopia

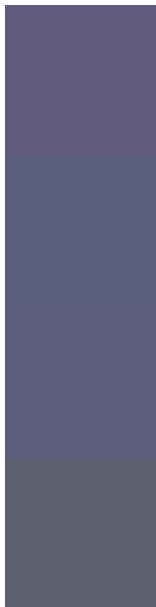
12.0447, 11.8638, 20.7239



Tritanopia

11.1870, 11.8242, 14.7894

Trichromacy



Original Color

12.3763, 11.7707, 20.6885

Protanomaly

12.0188, 11.7102, 21.0289

Deuteranomaly

12.1550, 11.7878, 20.7034

Tritanomaly

11.5663, 11.8406, 16.7148

Monochromacy



Original Color

12.3763, 11.7707, 20.6885

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.7665, 11.9687, 15.5999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3763, 11.7707, 20.6885 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(96, 93, 124) looks like.

```
.text, #text, p{  
    color:rgb(96, 93, 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(96, 93, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 93, 124) }
```

Border

The CSS property to change the border of an element to XYZ 12.3763, 11.7707, 20.6885 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(96, 93, 124) }
```


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

```
.border{ border-color:rgb(96, 93, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 93, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 93, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 93, 124);  
box-shadow:4px 4px 4px 4px rgb(96, 93,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3763, 11.7707, 20.6885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 93, 124) }
```

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

```
.background{ background-color: rgb(96, 93,  
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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