

Converting Colors

XYZ(12.5380, 11.9993, 20.3535)

Have a look what the booklet for
XYZ(12.5380, 11.9993, 20.3535)
contains.

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Color

**XYZ(12.5076, 11.9769,
20.3914)**

Conversions

Conversions Part 1

Format	Color
Hex	615E7B
RGB	97, 94, 123
RGB Percent	38%, 37%, 48%
CMY	0.6196, 0.6314, 0.5176
CMYK	0.21, 0.24, 0.00, 0.52
HSL	246°, 13%, 43%
HSV	246°, 24%, 48%
XYZ	12.5076, 11.9769, 20.3914
YIQ	98.2030, -7.5210, 9.6550

Conversions

Conversions Part 2

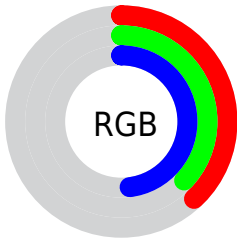
Format	Color
R_YB	97, 94, 123
Decimal	6381179
CIE Lab	41.18, 7.86, -15.84
CIE LCh	41, 17.683, 296.384
Yxy	11.9769, 0.2787, 0.2669
Android (android.graphics.Color)	4284571259 (0xFF615E7B)
YUV	98.2030, 12.2249, -1.0550
Hunter-Lab	34.6077, 3.9485, -10.7093

Details

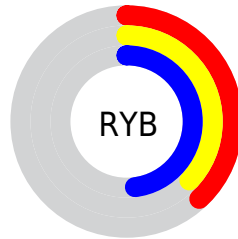
The XYZ color **12.5076, 11.9769, 20.3914** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.8495, 18.9675, 13.3633**, and the grayscale version is **11.6322, 12.2379, 13.3271**.

A 20% lighter version of the original color is **30.0225, 29.3770, 45.1623**, and **3.6084, 3.2864, 6.9227** is the 20% darker color. If you saturate the color by 10%, you get **10.4053, 9.3970, 20.0044**, and if you desaturate by 10%, it is **14.9484, 14.9906, 20.8447**.

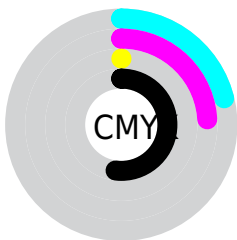
Distribution



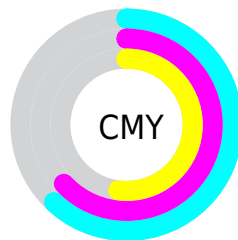
- Red (38%)
- Green (37%)
- Blue (48%)



- Red (38%)
- Yellow (37%)
- Blue (48%)



- Cyan (21%)
- Magenta (24%)
- Yellow (0%)
- Black (52%)



- Cyan (62%)
- Magenta (63%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5076, 11.9769, 20.3914 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 12.5076, 11.9769, 20.3914 by changing the saturation by 10% instead.

■ 12.5076, 11.9769,
20.3914

■ 12.5076, 11.9769,
20.3914

201.4394,
204.2523, 266.7002

■ 7.1650, 6.7280,
12.4930

■ 30.0252, 29.4530,
44.9400

■ 3.6128, 3.2926,
6.9538

■ 42.9309, 42.4490,
62.4272

■ 1.4855, 1.2863,
3.3552

■ 59.0884, 58.7961,
83.9478

■ 0.3159, 0.1306,
1.2787

■ 78.8629, 78.8787,
109.9204

■ 0.0000, 0.0000,
0.0443

102.6200,
103.0812, 140.7633

■ 0.0000, 0.0000,
0.0000

130.7248,

131.7881, 176.8952

163.5428,
165.3836, 218.7347

■ 12.5076, 11.9769,
20.3914

■ 12.5076, 11.9769,
20.3914

■ 10.4053, 9.3970,
20.0044

■ 14.9484, 14.9906,
20.8447

■ 8.6255, 7.2296,
19.6799

■ 17.7405, 18.4554,
21.3663

■ 7.1523, 5.4537,
19.4147

■ 20.8975, 22.3892,
21.9592

■ 5.9684, 4.0457,
19.2054

■ 24.4320, 26.8087,
22.6259

■ 5.0544, 2.9797,
19.0478

■ 28.3559, 31.7296,
23.3690

■ 4.3889, 2.2263,
18.9374

■ 32.6806, 37.1672,
24.1906

■ 3.9455, 1.7483,
18.8685

■ 37.4171, 43.1357,
25.0930

■ 3.7370, 1.5135,
18.8342

■ 42.5758, 49.6491,
26.0783

■ 48.1669, 56.7208,
27.1486

Harmonies

Analogous

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



11.2298, 11.9769, 21.3726



12.5076, 11.9769, 20.3914



13.5485, 11.9769, 17.3244

Triad

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



12.5076, 11.9769, 20.3914



12.7948, 11.9769, 8.0265



9.1092, 11.9769, 12.6032

Complementary

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



12.5076, 11.9769, 20.3914



16.8495, 18.9675, 13.3633

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.



9.4627, 11.9769, 9.5288



12.5076, 11.9769, 20.3914



11.5389, 11.9769, 7.2163

Square

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



12.5076, 11.9769, 20.3914



13.7228, 11.9769, 10.1644



10.3292, 11.9769, 7.7105



9.3267, 11.9769, 16.4143

Rectangle

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



12.5076, 11.9769, 20.3914



13.9350, 11.9769, 14.7636



10.3292, 11.9769, 7.7105



9.1645, 11.9769, 11.4576

Sweetspot

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



12.5080, 11.9774, 20.3917



29.8961, 30.7220, 37.9109



14.9201, 17.2671, 21.2855



6.9892, 7.1712, 8.9189



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.



12.5080, 11.9774, 20.3917



20.3994, 18.9912, 36.1471



14.1843, 12.8416, 20.4701



3.8326, 3.9116, 4.9962



3.8633, 1.5643, 19.4836



18.0707, 7.2778, 92.9221

Inverse Universe

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



15.5617, 13.5730, 19.5696



26.8354, 22.3554, 34.3527



15.0002, 18.0141, 13.2768



4.1375, 4.0707, 4.9217



11.3765, 5.5267, 15.8053



54.0832, 26.2896, 74.4255

Previews

White Background



This preview shows how the XYZ color 12.5076, 11.9769, 20.3914 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 12.5076, 11.9769, 20.3914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

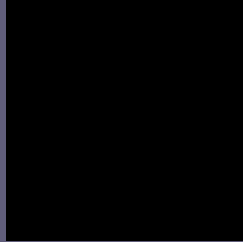
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5076, 11.9769, 20.3914

Background



This preview shows how black text looks on a background with the XYZ color 12.5076, 11.9769, 20.3914.



This preview shows how white text looks on a background with the XYZ color 12.5076, 11.9769,

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

12.5076, 11.9769, 20.3914

Protanopia

12.0374, 11.9946, 20.7495

Deuteranopia

12.1816, 11.9416, 20.4018



Tritanopia

11.4406, 11.9490, 15.0680

Trichromacy



Original Color

12.5076, 11.9769, 20.3914

Protanomaly

12.2445, 11.9668, 20.7333

Deuteranomaly

12.2835, 11.9942, 20.4066

Tritanomaly

11.8268, 11.9685, 17.0160

Monochromacy



Original Color

12.5076, 11.9769, 20.3914

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9655, 12.2076, 15.6356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5076, 11.9769, 20.3914 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(97, 94, 123) looks like.

```
.text, #text, p{  
    color:rgb(97, 94, 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(97, 94, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 94, 123) }
```

Border

The CSS property to change the border of an element to XYZ 12.5076, 11.9769, 20.3914 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(97, 94, 123) }
```


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

```
.border{ border-color:rgb(97, 94, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 94, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 94, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 94, 123);  
box-shadow:4px 4px 4px 4px rgb(97, 94,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5076, 11.9769, 20.3914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 94, 123) }
```

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

```
.background{ background-color: rgb(97, 94,  
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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