

Converting Colors

XYZ(12.7984, 11.1001, 27.8538)

Have a look what the booklet for
XYZ(12.7984, 11.1001, 27.8538)
contains.

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Color

**XYZ(12.7566, 11.0542,
27.8469)**

Conversions

Conversions Part 1

Format	Color
Hex	5B5790
RGB	91, 87, 144
RGB Percent	36%, 34%, 56%
CMY	0.6431, 0.6588, 0.4353
CMYK	0.37, 0.40, 0.00, 0.44
HSL	244°, 25%, 45%
HSV	244°, 40%, 56%
XYZ	12.7566, 11.0542, 27.8469
YIQ	94.6940, -15.9130, 18.5750

Conversions

Conversions Part 2

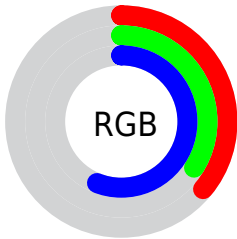
Format	Color
RYB	91, 87, 144
Decimal	5986192
CIELab	39.67, 16.03, -30.97
CIELCh	40, 34.870, 297.375
Yxy	11.0542, 0.2469, 0.2140
Android (android.graphics.Color)	4284176272 (0xFF5B5790)
YUV	94.6940, 24.3079, -3.2396
Hunter-Lab	33.2479, 10.3035, -26.3851

Details

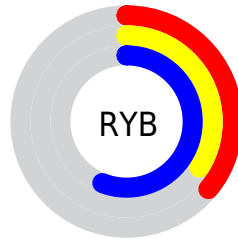
The XYZ color **12.7566, 11.0542, 27.8469** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.5091, 26.2104, 12.8900**, and the grayscale version is **10.7511, 11.3109, 12.3176**.

A 20% lighter version of the original color is **30.4664, 27.8082, 57.1878**, and **3.7182, 2.9177, 10.7231** is the 20% darker color. If you saturate the color by 10%, you get **10.5008, 8.3300, 27.4402**, and if you desaturate by 10%, it is **15.4814, 14.3658, 28.3427**.

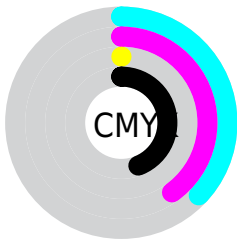
Distribution



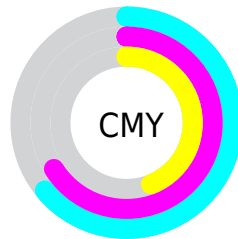
- Red (36%)
- Green (34%)
- Blue (56%)



- Red (36%)
- Yellow (34%)
- Blue (56%)



- Cyan (37%)
- Magenta (40%)
- Yellow (0%)
- Black (44%)



- Cyan (64%)
- Magenta (66%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7566, 11.0542, 27.8469 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 12.7566, 11.0542, 27.8469 by changing the saturation by 10% instead.

■ 12.7566, 11.0542,
27.8469

■ 12.7566, 11.0542,
27.8469

203.0211,
198.0390, 305.6235

■ 7.3370, 6.1033,
17.9722

■ 30.4709, 27.7603,
57.2601

■ 3.7219, 2.9080,
10.7608

■ 43.4962, 40.2844,
77.6357

■ 1.5461, 1.0839,
5.7941

■ 59.7875, 56.1016,
102.3487

■ 0.3569, 0.0000,
2.6535

■ 79.7102, 75.5964,
131.8176

■ 0.0000, 0.0000,
0.9199

■ 103.6295, 99.1531,
166.4610

■ 0.0000, 0.0000,
0.0000

131.9109,

127.1562, 206.6974

164.9196,
159.9900, 252.9454

■ 12.7566, 11.0542,
27.8469

■ 12.7566, 11.0542,
27.8469

■ 10.5008, 8.3300,
27.4402

■ 15.4814, 14.3658,
28.3427

■ 8.6862, 6.1576,
27.1165

■ 18.6982, 18.2951,
28.9316

■ 7.2842, 4.4998,
26.8704

■ 22.4302, 22.8717,
29.6183

■ 6.2623, 3.3138,
26.6953

■ 26.6985, 28.1230,
30.4069

■ 5.5829, 2.5502,
26.5838

■ 31.5233, 34.0748,
31.3014

■ 5.1742, 2.0956,
26.5176

■ 36.9236, 40.7515,
32.3055

■ 5.1606, 2.0788,
26.5150

■ 42.9174, 48.1764,
33.4228

■ 49.5222, 56.3718,
34.6565

■ 56.7545, 65.3588,
36.0100

Harmonies

Analogous

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



10.2983, 11.0542, 30.4707



12.7566, 11.0542, 27.8469



14.8557, 11.0542, 20.5841

Triad

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



12.7566, 11.0542, 27.8469



13.1746, 11.0542, 4.0238



6.5632, 11.0542, 11.4452

Complementary

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



12.7566, 11.0542, 27.8469



22.5091, 26.2104, 12.8900

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.



7.1019, 11.0542, 6.2586



12.7566, 11.0542, 27.8469



10.7179, 11.0542, 3.1124

Square

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



12.7566, 11.0542, 27.8469



15.1215, 11.0542, 6.9560



8.5382, 11.0542, 3.7412



6.9416, 11.0542, 19.1314

Rectangle

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



12.7566, 11.0542, 27.8469



15.6400, 11.0542, 15.1370



8.5382, 11.0542, 3.7412



6.6410, 11.0542, 9.3906

Sweetspot

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



12.7570, 11.0546, 27.8472



37.7168, 38.0753, 51.8994



18.3722, 22.8548, 29.8289



8.4746, 8.5172, 11.8695



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.7570, 11.0546, 27.8472



19.1106, 15.4019, 48.5037



16.0916, 12.7737, 28.0032



5.1625, 5.2719, 6.7743



4.5025, 1.8147, 23.0900



0.0486, 0.0202, 0.2210

Inverse Universe

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



19.6438, 14.6396, 26.6017



32.9551, 22.6129, 45.8136



18.3379, 24.0600, 12.6948



5.6102, 5.5046, 6.7111



13.7602, 6.6611, 20.1866



0.1347, 0.0650, 0.2097

Previews

White Background



This preview shows how the XYZ color 12.7566, 11.0542, 27.8469 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 12.7566, 11.0542, 27.8469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

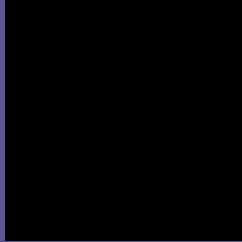
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7566, 11.0542, 27.8469

Background



This preview shows how black text looks on a background with the XYZ color 12.7566, 11.0542, 27.8469.

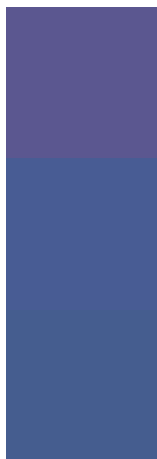


This preview shows how white text looks on a background with the XYZ color 12.7566, 11.0542,

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

12.7566, 11.0542, 27.8469

Protanopia

11.8449, 11.1701, 29.5487

Deuteranopia

11.3265, 11.0771, 27.5277



Tritanopia

10.1107, 11.1389, 14.4491

Trichromacy



Original Color

12.7566, 11.0542, 27.8469

Protanomaly

12.1471, 11.0812, 29.1024

Deuteranomaly

11.7596, 11.0431, 27.4983

Tritanomaly

10.9307, 11.0680, 18.6998

Monochromacy



Original Color

12.7566, 11.0542, 27.8469

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.4239, 11.2262, 17.1876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7566, 11.0542, 27.8469 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(91, 87, 144)` looks like.

```
.text, #text, p{  
    color:rgb(91, 87, 144)  
}
```

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(91, 87, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 87, 144) }
```

Border

The CSS property to change the border of an element to XYZ 12.7566, 11.0542, 27.8469 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(91, 87, 144) }
```


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

```
.border{ border-color:rgb(91, 87, 144) }
```

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

Here you see how a box with a 4 pixel rgb(91, 87, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 87, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 87, 144);  
box-shadow:4px 4px 4px 4px rgb(91, 87,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7566, 11.0542, 27.8469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 87, 144) }
```

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

```
.background{ background-color: rgb(91, 87,  
144) }
```

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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