

Converting Colors

XYZ(12.6014, 11.5342, 24.9993)

Have a look what the booklet for
XYZ(12.6014, 11.5342, 24.9993)
contains.

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Color

**XYZ(12.5987, 11.5351,
24.8550)**

Conversions

Conversions Part 1

Format	Color
Hex	5C5B88
RGB	92, 91, 136
RGB Percent	36%, 36%, 53%
CMY	0.6392, 0.6431, 0.4667
CMYK	0.32, 0.33, 0.00, 0.47
HSL	241°, 20%, 45%
HSV	241°, 33%, 53%
XYZ	12.5987, 11.5351, 24.8550
YIQ	96.4290, -13.8490, 14.2070

Conversions

Conversions Part 2

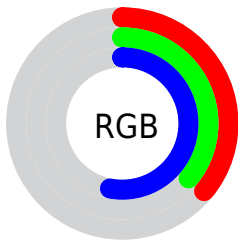
Format	Color
R_{YB}	92, 91, 136
Decimal	6052744
CIE _{Lab}	40.47, 11.54, -24.87
CIE _{LCh}	40, 27.421, 294.894
Yxy	11.5351, 0.2572, 0.2355
Android (android.graphics.Color)	4284242824 (0xFF5C5B88)
YUV	96.4290, 19.5085, -3.8842
Hunter-Lab	33.9634, 6.7786, -19.6151

Details

The XYZ color **12.5987, 11.5351, 24.8550** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.6843, 23.5147, 13.3466**, and the grayscale version is **11.1793, 11.7615, 12.8082**.

A 20% lighter version of the original color is **30.1468, 28.6071, 52.6480**, and **3.6568, 3.0841, 9.2067** is the 20% darker color. If you saturate the color by 10%, you get **10.3260, 8.7914, 24.4454**, and if you desaturate by 10%, it is **15.3161, 14.8213, 25.3463**.

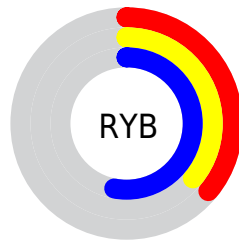
Distribution



Red (36%)

Green (36%)

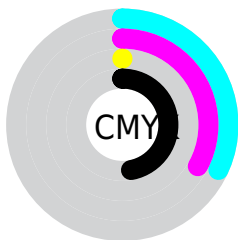
Blue (53%)



Red (36%)

Yellow (36%)

Blue (53%)

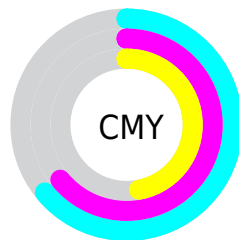


Cyan (32%)

Magenta (33%)

Yellow (0%)

Black (47%)



Cyan (64%)

Magenta (64%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5987, 11.5351, 24.8550 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 12.5987, 11.5351, 24.8550 by changing the saturation by 10% instead.

■ 12.5987, 11.5351,
24.8550

■ 12.5987, 11.5351,
24.8550

202.0195,
201.3027, 290.5396

■ 7.2279, 6.4280,
15.7510

■ 30.1884, 28.6455,
52.3831

■ 3.6526, 3.1070,
9.1957

■ 43.1380, 41.4176,
71.6443

■ 1.5075, 1.1879,
4.7705

■ 59.3446, 57.5134,
95.1283

■ 0.3310, 0.0518,
2.0569

■ 79.1735, 77.3174,
123.2537

■ 0.0000, 0.0000,
0.5899

■ 102.9901,
101.2139, 156.4390

■ 0.0000, 0.0000,
0.0000

131.1597,

129.5874, 195.1027

164.0478,
162.8222, 239.6634

■ 12.5987, 11.5351,
24.8550

■ 12.5987, 11.5351,
24.8550

■ 10.3260, 8.7914,
24.4454

■ 15.3161, 14.8213,
25.3463

■ 8.4732, 6.5598,
24.1123

■ 18.4989, 18.6757,
25.9225

■ 7.0150, 4.8091,
23.8512

■ 22.1678, 23.1236,
26.5877

■ 5.9228, 3.5037,
23.6569

■ 26.3421, 28.1889,
27.3453

■ 5.1641, 2.6037,
23.5231

■ 31.0398, 33.8936,
28.1989

■ 4.7007, 2.0614,
23.4429

■ 36.2783, 40.2592,
29.1515

■ 4.4818, 1.7971,
23.4034

■ 42.0740, 47.3058,
30.2061

■ 48.4426, 55.0527,
31.3658

■ 55.3993, 63.5186,
32.6332

Harmonies

Analogous

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



10.6373, 11.5351, 26.3726



12.5987, 11.5351, 24.8550



14.2832, 11.5351, 19.7049

Triad

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



12.5987, 11.5351, 24.8550



13.2359, 11.5351, 5.7247



7.6716, 11.5351, 11.6387

Complementary

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



12.5987, 11.5351, 24.8550



20.6843, 23.5147, 13.3466

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.



8.2031, 11.5351, 7.3918



12.5987, 11.5351, 24.8550



11.2969, 11.5351, 4.6775

Square

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



12.5987, 11.5351, 24.8550



14.6802, 11.5351, 8.6013



9.4768, 11.5351, 5.1833



7.9343, 11.5351, 17.5774

Rectangle

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



12.5987, 11.5351, 24.8550



14.9445, 11.5351, 15.5335



9.4768, 11.5351, 5.1833



7.7613, 11.5351, 9.9921

Sweetspot

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



12.5991, 11.5355, 24.8553



34.3668, 35.0526, 46.0029



17.4575, 21.3998, 26.5032



7.7826, 7.9041, 10.6218



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.5991, 11.5355, 24.8553



19.0210, 16.4864, 43.2280



15.1574, 12.8544, 24.9750



4.7843, 4.8972, 6.2989



4.2429, 1.7014, 22.1505



0.0294, 0.0119, 0.1472

Inverse Universe

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



18.2679, 14.4661, 24.7511



30.6806, 22.5150, 42.9705



17.4707, 21.8581, 13.1962



5.2291, 5.1271, 6.2950



13.6158, 6.5564, 21.5448



0.0912, 0.0438, 0.1469

Previews

White Background



This preview shows how the XYZ color 12.5987, 11.5351, 24.8550 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 12.5987, 11.5351, 24.8550 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 12.5987, 11.5351, 24.8550

Background



This preview shows how black text looks on a background with the XYZ color 12.5987, 11.5351, 24.8550.

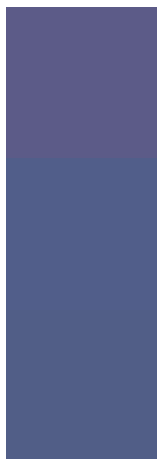


This preview shows how white text looks on a background with the XYZ color 12.5987, 11.5351,

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

12.5987, 11.5351, 24.8550

Protanopia

11.9835, 11.5897, 25.6502

Deuteranopia

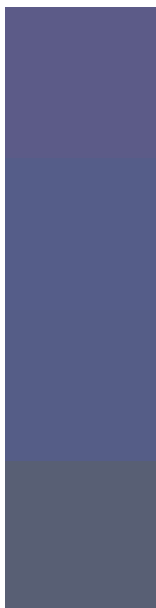
11.7692, 11.5040, 24.5219



Tritanopia

10.5708, 11.5006, 15.0273

Trichromacy



Original Color

12.5987, 11.5351, 24.8550

Protanomaly

12.1760, 11.5661, 25.2577

Deuteranomaly

12.0338, 11.5093, 24.5089

Tritanomaly

11.2691, 11.5201, 18.1526

Monochromacy



Original Color

12.5987, 11.5351, 24.8550

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.5913, 11.5860, 16.6643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5987, 11.5351, 24.8550 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(92, 91, 136) looks like.

```
.text, #text, p{  
    color:rgb(92, 91, 136)  
}
```

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(92, 91, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 91, 136) }
```

Border

The CSS property to change the border of an element to XYZ 12.5987, 11.5351, 24.8550 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(92, 91, 136) }
```


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

```
.border{ border-color:rgb(92, 91, 136) }
```

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

Here you see how a box with a 4 pixel rgb(92, 91, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 91, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 91, 136);  
box-shadow:4px 4px 4px 4px rgb(92, 91,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5987, 11.5351, 24.8550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 91, 136) }
```

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

```
.background{ background-color: rgb(92, 91,  
136) }
```

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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