

Converting Colors

XYZ(15.7680, 15.5613, 25.1498)

Have a look what the booklet for
XYZ(15.7680, 15.5613, 25.1498)
contains.

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Color

**XYZ(15.7991, 15.6002,
25.1001)**

Conversions

Conversions Part 1

Format	Color
Hex	6B6C87
RGB	107, 108, 135
RGB Percent	42%, 42%, 53%
CMY	0.5804, 0.5765, 0.4706
CMYK	0.21, 0.20, 0.00, 0.47
HSL	238°, 12%, 47%
HSV	238°, 21%, 53%
XYZ	15.7991, 15.6002, 25.1001
YIQ	110.7790, -9.2630, 8.1850

Conversions

Conversions Part 2

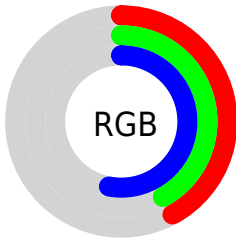
Format	Color
R_{YB}	107, 108, 135
Decimal	7040135
CIE Lab	46.45, 5.76, -14.97
CIE LCh	46, 16.035, 291.033
Yxy	15.6002, 0.2796, 0.2761
Android (android.graphics.Color)	4285230215 (0xFF6B6C87)
YUV	110.7790, 11.9410, -3.3142
Hunter-Lab	39.4971, 2.2813, -10.0304

Details

The XYZ color **15.7991, 15.6002, 25.1001** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.1706, 23.2624, 17.2845**, and the grayscale version is **15.0143, 15.7962, 17.2020**.

A 20% lighter version of the original color is **35.7733, 35.7980, 52.6012**, and **5.1121, 4.9232, 9.2752** is the 20% darker color. If you saturate the color by 10%, you get **13.0292, 12.2845, 24.6063**, and if you desaturate by 10%, it is **19.0284, 19.4578, 25.6748**.

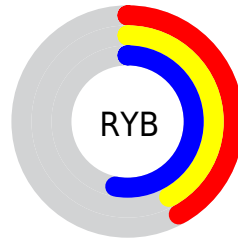
Distribution



Red (42%)

Green (42%)

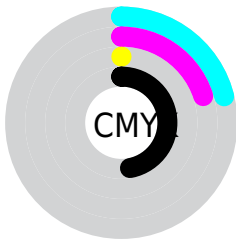
Blue (53%)



Red (42%)

Yellow (42%)

Blue (53%)

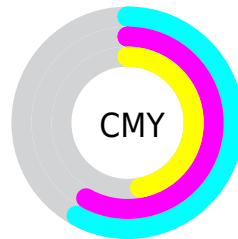


Cyan (21%)

Magenta (20%)

Yellow (0%)

Black (47%)



Cyan (58%)

Magenta (58%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7991, 15.6002, 25.1001 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 15.7991, 15.6002, 25.1001 by changing the saturation by 10% instead.

■ 15.7991, 15.6002,
25.1001

■ 15.7991, 15.6002,
25.1001

221.4471,
226.9709, 291.7997

■ 9.4720, 9.2417,
15.9319

■ 35.8094, 35.9027,
52.7857

■ 5.1099, 4.8992,
9.3222

■ 50.2233, 50.6155,
72.1402

■ 2.3473, 2.1882,
4.8522

■ 68.0635, 68.8819,
95.7273

■ 0.8187, 0.7136,
2.1036

■ 89.6954, 91.0862,
123.9655

■ 0.0000, 0.0000,
0.6179

115.4844,
117.6129, 157.2732

■ 0.0000, 0.0000,
0.0000

145.7958,

148.8463, 196.0692

180.9949,
185.1708, 240.7718

■ 15.7991, 15.6002,
25.1001

■ 15.7991, 15.6002,
25.1001

■ 13.0292, 12.2845,
24.6063

■ 19.0284, 19.4578,
25.6748

■ 10.6965, 9.4846,
24.1889

■ 22.7351, 23.8781,
26.3326

■ 8.7790, 7.1753,
23.8442

■ 26.9381, 28.8830,
27.0771

■ 7.2524, 5.3282,
23.5681

■ 31.6546, 34.4928,
27.9113

■ 6.0899, 3.9122,
23.3561

■ 36.9012, 40.7267,
28.8381

■ 5.2610, 2.8924,
23.2029

■ 42.6937, 47.6031,
29.8600

■ 4.7306, 2.2284,
23.1027

■ 49.0473, 55.1397,
30.9799

■ 4.4256, 1.8541,
23.0465

■ 55.9764, 63.3534,
32.2001

■ 63.4952, 72.2607,
33.5231

Harmonies

Analogous

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



14.4183, 15.6002, 25.6396



15.7991, 15.6002, 25.1001



16.9848, 15.6002, 22.2197

Triad

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



15.7991, 15.6002, 25.1001



16.5573, 15.6002, 11.7421



12.3609, 15.6002, 15.8303

Complementary

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



15.7991, 15.6002, 25.1001



21.1706, 23.2624, 17.2845

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.



12.8611, 15.6002, 12.6462



15.7991, 15.6002, 25.1001



15.2444, 15.6002, 10.5381

Square

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



15.7991, 15.6002, 25.1001



17.4411, 15.6002, 14.4051



13.8966, 15.6002, 10.8413



12.4891, 15.6002, 19.8580

Rectangle

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



15.7991, 15.6002, 25.1001



17.4775, 15.6002, 19.5741



13.8966, 15.6002, 10.8413



12.4599, 15.6002, 14.6367

Sweetspot

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



15.7996, 15.6008, 25.1005



37.0250, 38.3633, 46.5018



19.0029, 22.1641, 25.6851



8.4918, 8.7857, 10.7546



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.



15.7996, 15.6008, 25.1005



25.8025, 24.9573, 44.5057



17.3215, 16.2295, 25.1416



4.4468, 4.5693, 5.8483



4.0831, 1.7140, 21.2523



0.0150, 0.0076, 0.0739

Inverse Universe

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



17.9565, 16.7493, 16.4746



30.4101, 27.4249, 26.0757



19.4009, 22.5566, 17.2415



4.6788, 4.6912, 4.9210



9.2391, 4.7600, 0.5654



0.0324, 0.0167, 0.0041

Previews

White Background



This preview shows how the XYZ color 15.7991, 15.6002, 25.1001 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 15.7991, 15.6002, 25.1001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

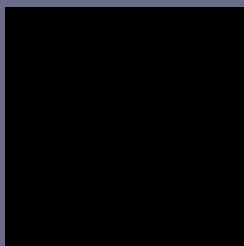
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 15.7991, 15.6002, 25.1001

Background



This preview shows how black text looks on a background with the XYZ color 15.7991, 15.6002, 25.1001.



This preview shows how white text looks on a background with the XYZ color 15.7991, 15.6002,

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

15.7991, 15.6002, 25.1001

Protanopia

15.6215, 15.6579, 25.4915

Deuteranopia

15.9201, 15.6625, 25.1058



Tritanopia

14.7835, 15.6680, 20.0144

Trichromacy



Original Color

15.7991, 15.6002, 25.1001

Protanomaly

15.7383, 15.7181, 25.4970

Deuteranomaly

15.9201, 15.6625, 25.1058

Tritanomaly

15.1033, 15.6358, 21.6240

Monochromacy



Original Color

15.7991, 15.6002, 25.1001

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.3965, 15.8229, 20.0119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7991, 15.6002, 25.1001 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(107, 108, 135)` looks like.

```
.text, #text, p{  
    color:rgb(107, 108, 135)  
}
```

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(107, 108, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 108, 135) }
```

Border

The CSS property to change the border of an element to XYZ 15.7991, 15.6002, 25.1001 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(107, 108, 135) }
```


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

```
.border{ border-color:rgb(107, 108, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 108, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 108, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 108, 135);  
box-shadow:4px 4px 4px 4px rgb(107, 108,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7991, 15.6002, 25.1001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 108, 135) }
```

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

```
.background{ background-color: rgb(107,  
108, 135) }
```

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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