

Converting Colors

XYZ(13.1686, 15.2687, 12.2106)

Have a look what the booklet for
XYZ(13.1686, 15.2687, 12.2106)
contains.

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Color

**XYZ(13.1603, 15.3323,
12.1633)**

Conversions

Conversions Part 1

Format	Color
Hex	65715B
RGB	101, 113, 91
RGB Percent	40%, 44%, 36%
CMY	0.6039, 0.5569, 0.6431
CMYK	0.11, 0.00, 0.19, 0.56
HSL	93°, 11%, 40%
HSV	93°, 19%, 44%
XYZ	13.1603, 15.3323, 12.1633
YIQ	106.9040, -0.0900, -9.3860

Conversions

Conversions Part 2

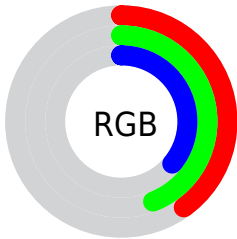
Format	Color
R_{YB}	91, 113, 103
Decimal	6648155
CIE _{Lab}	46.09, -8.94, 10.72
CIE _{LCh}	46, 13.962, 129.827
Yxy	15.3323, 0.3237, 0.3771
Android (android.graphics.Color)	4284838235 (0xFF65715B)
YUV	106.9040, -7.8407, -5.1778
Hunter-Lab	39.1565, -8.5309, 8.9921

Details

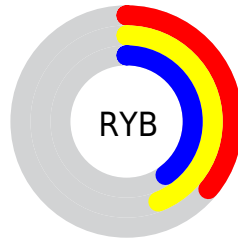
The XYZ color **13.1603, 15.3323, 12.1633** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3158, 11.5584, 17.2055**, and the grayscale version is **13.9699, 14.6975, 16.0055**.

A 20% lighter version of the original color is **31.2117, 35.5088, 30.4081**, and **3.8853, 4.7543, 3.1955** is the 20% darker color. If you saturate the color by 10%, you get **12.0447, 14.8098, 9.7553**, and if you desaturate by 10%, it is **14.4019, 15.9122, 14.9611**.

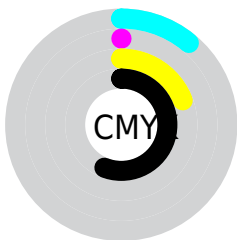
Distribution



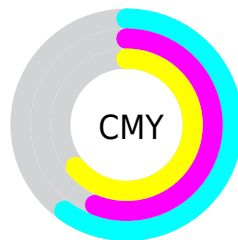
- Red (40%)
- Green (44%)
- Blue (36%)



- Red (36%)
- Yellow (44%)
- Blue (40%)



- Cyan (11%)
- Magenta (0%)
- Yellow (19%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1603, 15.3323, 12.1633 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 13.1603, 15.3323, 12.1633 by changing the saturation by 10% instead.

■ 13.1603, 15.3323,
12.1633

■ 13.1603, 15.3323,
12.1633

205.5594,
225.3688, 216.4995

■ 7.6168, 9.0529,
6.7311

■ 31.1903, 35.4351,
30.4610

■ 3.9005, 4.7757,
3.2186

■ 44.4076, 50.0273,
44.1636

■ 1.6460, 2.1163,
1.2073

■ 60.9134, 68.1592,
61.4601

■ 0.4221, 0.6738,
0.0000

■ 81.0732, 90.2153,
82.7690

■ 0.0000, 0.0000,
0.0000

105.2524,
116.5799, 108.5088

133.8162,

147.6374, 139.0982

167.1301,
183.7723, 174.9556

■ 13.1603, 15.3323,
12.1633

■ 13.1603, 15.3323,
12.1633

■ 12.0447, 14.8098,
9.7553

■ 14.4019, 15.9122,
14.9611

■ 11.0495, 14.3408,
7.7188

■ 15.7726, 16.5493,
18.1639

■ 10.1705, 13.9240,
6.0355

■ 17.2765, 17.2460,
21.7874

■ 9.4025, 13.5572,
4.6853

■ 18.9176, 18.0039,
25.8459

■ 8.7402, 13.2380,
3.6460

■ 20.6994, 18.8245,
30.3534

■ 8.1774, 12.9640,
2.8924

■ 22.6253, 19.7094,
35.3229

■ 7.7074, 12.7322,
2.3959

■ 24.6988, 20.6599,
40.7672

■ 7.3088, 12.5340,
2.0513

■ 26.9231, 21.6776,
46.6984

■ 7.2889, 12.5241,
2.0332

■ 29.3013, 22.7638,
53.1282

Harmonies

Analogous

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



14.1870, 15.3323, 11.0495



13.1603, 15.3323, 12.1633



12.5350, 15.3323, 14.5414

Triad

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



13.1603, 15.3323, 12.1633



13.8004, 15.3323, 23.6072



16.9378, 15.3323, 15.6040

Complementary

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



13.1603, 15.3323, 12.1633



12.3158, 11.5584, 17.2055

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.



16.8204, 15.3323, 19.0498



13.1603, 15.3323, 12.1633



14.9657, 15.3323, 23.9934

Square

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



13.1603, 15.3323, 12.1633



12.8905, 15.3323, 21.2373



16.0831, 15.3323, 22.2303



16.3957, 15.3323, 12.8502

Rectangle

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



13.1603, 15.3323, 12.1633



12.4089, 15.3323, 16.6746



16.0831, 15.3323, 22.2303



16.9749, 15.3323, 16.7140

Sweetspot

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



13.1607, 15.3330, 12.1636



26.5743, 28.8582, 28.6056



13.5227, 13.9141, 11.8707



6.1204, 6.6621, 6.5568



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.1607, 15.3330, 12.1636



22.7104, 27.0548, 19.9098



12.1401, 14.8031, 12.2818



3.4757, 3.8306, 3.6295



8.2452, 14.1943, 2.3052



40.1036, 70.2082, 11.4379

Inverse Universe

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



12.3158, 11.5584, 17.2055



20.9261, 19.0842, 30.5562



13.4912, 12.1691, 17.0458



3.3752, 3.3817, 4.2291



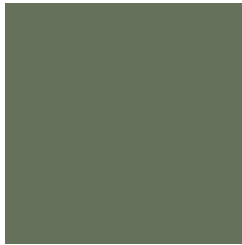
5.5862, 2.4892, 17.9076



26.8230, 11.8821, 89.1589

Previews

White Background



This preview shows how the XYZ color 13.1603, 15.3323, 12.1633 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 13.1603, 15.3323, 12.1633 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

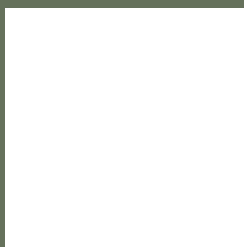
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1603, 15.3323, 12.1633

Background



This preview shows how black text looks on a background with the XYZ color 13.1603, 15.3323, 12.1633.



This preview shows how white text looks on a background with the XYZ color 13.1603, 15.3323,

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

13.1603, 15.3323, 12.1633

Protanopia

14.3420, 15.3034, 11.6491

Deuteranopia

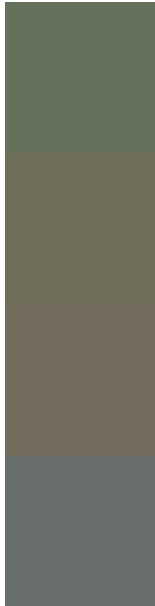
15.4848, 15.2534, 12.4840



Tritanopia

14.5644, 15.2485, 19.3152

Trichromacy



Original Color

13.1603, 15.3323, 12.1633

Protanomaly

13.8518, 15.2050, 11.8777

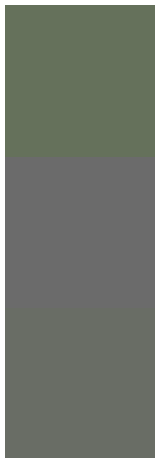
Deuteranomaly

14.4968, 15.2108, 12.2971

Tritanomaly

13.9916, 15.1776, 16.3795

Monochromacy



Original Color

13.1603, 15.3323, 12.1633

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6433, 14.8801, 14.4650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1603, 15.3323, 12.1633 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(101, 113, 91)` looks like.

```
.text, #text, p{  
    color:rgb(101, 113, 91)  
}
```

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(101, 113, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 113, 91) }
```

Border

The CSS property to change the border of an element to XYZ 13.1603, 15.3323, 12.1633 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(101, 113, 91) }
```


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

```
.border{ border-color:rgb(101, 113, 91) }
```

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

Here you see how a box with a 4 pixel rgb(101, 113, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 113, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 113, 91);  
box-shadow:4px 4px 4px 4px rgb(101, 113,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1603, 15.3323, 12.1633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 113, 91) }
```

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

```
.background{ background-color: rgb(101,  
113, 91) }
```

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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