

Converting Colors

XYZ(13.0132, 12.5554, 15.5359)

Have a look what the booklet for
XYZ(13.0132, 12.5554, 15.5359)
contains.

XYZ(13.0211, 12.6154, 15.6587)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0211, 12.6154,
15.6587)**

Conversions

Conversions Part 1

Format	Color
Hex	6C606B
RGB	108, 96, 107
RGB Percent	42%, 38%, 42%
CMY	0.5765, 0.6235, 0.5804
CMYK	0.00, 0.11, 0.01, 0.58
HSL	305°, 6%, 40%
HSV	305°, 11%, 42%
XYZ	13.0211, 12.6154, 15.6587
YIQ	100.8420, 3.6210, 5.9650

Conversions

Conversions Part 2

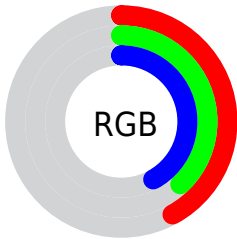
Format	Color
R_{YB}	108, 96, 107
Decimal	7102571
CIE Lab	42.18, 6.99, -4.48
CIE LCh	42, 8.299, 327.351
Yxy	12.6154, 0.3153, 0.3055
Android (android.graphics.Color)	4285292651 (0xFF6C606B)
YUV	100.8420, 3.0359, 6.2776
Hunter-Lab	35.5182, 3.2820, -1.2761

Details

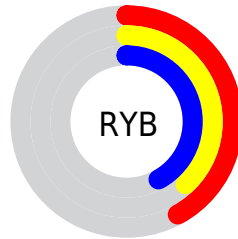
The XYZ color **13.0211, 12.6154, 15.6587** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.3446, 14.0754, 13.3761**, and the grayscale version is **12.3210, 12.9626, 14.1163**.

A 20% lighter version of the original color is **30.9033, 30.7070, 36.6460**, and **3.8807, 3.5995, 4.7652** is the 20% darker color. If you saturate the color by 10%, you get **12.0557, 10.7598, 15.1045**, and if you desaturate by 10%, it is **14.1231, 14.7431, 16.2612**.

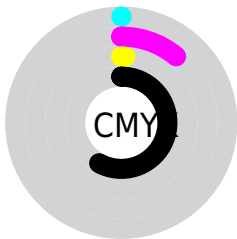
Distribution



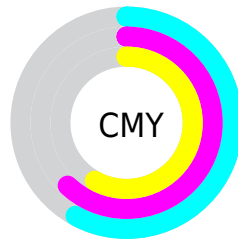
- Red (42%)
- Green (38%)
- Blue (42%)



- Red (42%)
- Yellow (38%)
- Blue (42%)



- Cyan (0%)
- Magenta (11%)
- Yellow (1%)
- Black (58%)



- Cyan (58%)
- Magenta (62%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0211, 12.6154, 15.6587 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 13.0211, 12.6154, 15.6587 by changing the saturation by 10% instead.

■ 13.0211, 12.6154,
15.6587

■ 13.0211, 12.6154,
15.6587

204.6877,
208.4379, 239.0958

■ 7.5202, 7.1642,
9.1312

■ 30.9427, 30.6111,
36.7632

■ 3.8387, 3.5650,
4.7289

■ 44.0940, 43.9244,
52.1773

■ 1.6113, 1.4334,
2.0332

■ 60.5263, 60.6272,
71.3906

■ 0.3997, 0.2411,
0.5755

■ 80.6047, 81.1040,
94.8219

■ 0.0000, 0.0000,
0.0000

104.6947,
105.7390, 122.8894

133.1616,

134.9168, 156.0119

166.3709,
169.0216, 194.6079

■ 13.0211, 12.6154,
15.6587

■ 13.0211, 12.6154,
15.6587

■ 12.0557, 10.7598,
15.1045

■ 14.1231, 14.7431,
16.2612

■ 11.2203, 9.1637,
14.5959

■ 15.3659, 17.1515,
16.9128

■ 10.5095, 7.8159,
14.1313

■ 16.7546, 19.8511,
17.6156

■ 9.9168, 6.7037,
13.7085

■ 18.2939, 22.8512,
18.3710

■ 9.4356, 5.8135,
13.3252

■ 19.9884, 26.1607,
19.1806

■ 9.0581, 5.1301,
12.9789

■ 21.8421, 29.7881,
20.0458

■ 8.7760, 4.6365,
12.6668

■ 23.8594, 33.7416,
20.9679

■ 8.5792, 4.3128,
12.3855

■ 26.0441, 38.0291,
21.9484

■ 8.4365, 4.0890,
12.1482

■ 28.4000, 42.6584,
22.9884

Harmonies

Analogous

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



12.5459, 12.6154, 16.9923



13.0211, 12.6154, 15.6587



13.2195, 12.6154, 13.8942

Triad

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



13.0211, 12.6154, 15.6587



12.0457, 12.6154, 10.6040



10.9640, 12.6154, 15.3627

Complementary

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



13.0211, 12.6154, 15.6587



12.3446, 14.0754, 13.3761

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.



10.8403, 12.6154, 13.5790



13.0211, 12.6154, 15.6587



11.4519, 12.6154, 10.9249

Square

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



13.0211, 12.6154, 15.6587



12.6443, 12.6154, 11.0607



11.0159, 12.6154, 11.9776



11.3597, 12.6154, 16.8113

Rectangle

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



13.0211, 12.6154, 15.6587



13.1631, 12.6154, 12.7442



11.0159, 12.6154, 11.9776



10.8898, 12.6154, 14.7781

Sweetspot

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



13.0215, 12.6159, 15.6590



24.3937, 25.1080, 28.3326



11.8199, 11.9904, 15.8791



5.8707, 6.0121, 6.8396



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



13.0215, 12.6159, 15.6590



22.4596, 21.3768, 27.2651



12.7166, 12.4940, 14.0538



3.2072, 3.1598, 3.8215



10.0578, 4.8752, 14.4647



51.0939, 24.7795, 72.8885

Inverse Universe

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



13.0215, 12.6159, 15.6590



22.4596, 21.3768, 27.2651



12.6351, 14.1916, 14.9057



3.2072, 3.1598, 3.8215



10.0578, 4.8752, 14.4647



51.0939, 24.7795, 72.8885

Previews

White Background



This preview shows how the XYZ color 13.0211, 12.6154, 15.6587 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 13.0211, 12.6154, 15.6587 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 13.0211, 12.6154, 15.6587

Background



This preview shows how black text looks on a background with the XYZ color 13.0211, 12.6154, 15.6587.

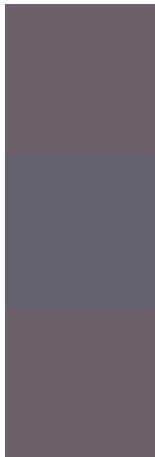


This preview shows how white text looks on a background with the XYZ color 13.0211, 12.6154,

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

13.0211, 12.6154, 15.6587

Protanopia

12.3677, 12.6805, 16.2637

Deuteranopia

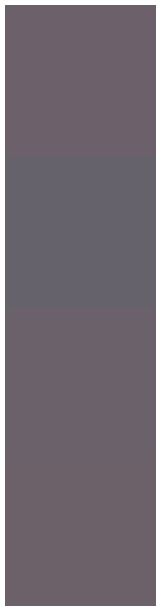
12.8724, 12.6751, 15.6780



Tritanopia

12.8659, 12.5534, 14.8416

Trichromacy



Original Color

13.0211, 12.6154, 15.6587

Protanomaly

12.5539, 12.6429, 15.9660

Deuteranomaly

12.9919, 12.7367, 15.6836

Tritanomaly

12.9170, 12.5738, 15.1108

Monochromacy



Original Color

13.0211, 12.6154, 15.6587

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.6189, 12.8460, 14.6464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0211, 12.6154, 15.6587 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(108, 96, 107)` looks like.

```
.text, #text, p{  
    color:rgb(108, 96, 107)  
}
```

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(108, 96, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 96, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.0211, 12.6154, 15.6587 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(108, 96, 107) }
```


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

```
.border{ border-color:rgb(108, 96, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 96, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 96, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 96, 107);  
box-shadow:4px 4px 4px 4px rgb(108, 96,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0211, 12.6154, 15.6587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 96, 107) }
```

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

```
.background{ background-color: rgb(108, 96,  
107) }
```

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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