

Converting Colors

XYZ(13.6572, 15.9683, 11.5222)

Have a look what the booklet for
XYZ(13.6572, 15.9683, 11.5222)
contains.

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Color

**XYZ(13.6011, 15.9091,
11.5864)**

Conversions

Conversions Part 1

Format	Color
Hex	687358
RGB	104, 115, 88
RGB Percent	41%, 45%, 35%
CMY	0.5922, 0.5490, 0.6549
CMYK	0.10, 0.00, 0.23, 0.55
HSL	84°, 13%, 40%
HSV	84°, 23%, 45%
XYZ	13.6011, 15.9091, 11.5864
YIQ	108.6330, 2.1110, -10.7290

Conversions

Conversions Part 2

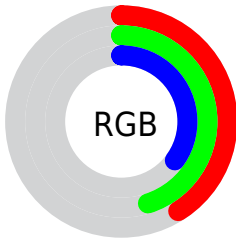
Format	Color
RYB	88, 115, 99
Decimal	6845272
CIELab	46.86, -9.40, 13.60
CIELCh	47, 16.529, 124.661
Yxy	15.9091, 0.3310, 0.3871
Android (android.graphics.Color)	4285035352 (0xFF687358)
YUV	108.6330, -10.1721, -4.0631
Hunter-Lab	39.8862, -8.9328, 10.6974

Details

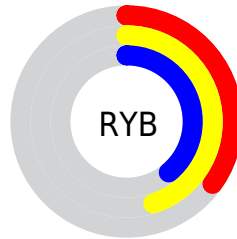
The XYZ color **13.6011, 15.9091, 11.5864** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.7304, 10.8703, 17.7004**, and the grayscale version is **14.4597, 15.2128, 16.5667**.

A 20% lighter version of the original color is **31.9237, 36.4410, 29.3960**, and **4.1124, 5.0513, 2.9487** is the 20% darker color. If you saturate the color by 10%, you get **12.6331, 15.4613, 9.2476**, and if you desaturate by 10%, it is **14.6754, 16.4039, 14.3232**.

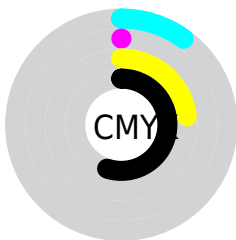
Distribution



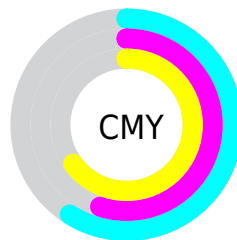
- Red (41%)
- Green (45%)
- Blue (35%)



- Red (35%)
- Yellow (45%)
- Blue (39%)



- Cyan (10%)
- Magenta (0%)
- Yellow (23%)
- Black (55%)



- Cyan (59%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6011, 15.9091, 11.5864 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 13.6011, 15.9091, 11.5864 by changing the saturation by 10% instead.

■ 13.6011, 15.9091,
11.5864

■ 13.6011, 15.9091,
11.5864

208.2956,
228.8047, 212.5274

■ 7.9236, 9.4599,
6.3436

■ 31.9718, 36.4403,
29.3926

■ 4.0975, 5.0423,
2.9830

■ 45.3956, 51.2911,
42.7931

■ 1.7574, 2.2721,
1.0859

■ 62.1323, 69.7112,
59.7499

■ 0.4918, 0.7589,
0.0000

■ 82.5472, 92.0849,
80.6815

■ 0.0000, 0.0000,
0.0000

■ 107.0056,
118.7968, 106.0065

135.8729,

150.2311, 136.1435

169.5144,
186.7723, 171.5109

■ 13.6011, 15.9091,
11.5864

■ 13.6011, 15.9091,
11.5864

■ 12.6331, 15.4613,
9.2476

■ 14.6754, 16.4039,
14.3232

■ 11.7660, 15.0568,
7.2872

■ 15.8585, 16.9453,
17.4743

■ 10.9961, 14.6946,
5.6856

■ 17.1542, 17.5354,
21.0563

■ 10.3186, 14.3726,
4.4208

■ 18.5661, 18.1755,
25.0847

■ 9.7285, 14.0888,
3.4687

■ 20.0974, 18.8671,
29.5741

■ 9.2199, 13.8409,
2.8017

■ 21.7510, 19.6115,
34.5385

■ 8.7852, 13.6257,
2.3823

■ 23.5301, 20.4097,
39.9912

■ 8.5249, 13.4962,
2.1557

■ 25.4374, 21.2632,
45.9452

■ 27.4757, 22.1729,
52.4129

Harmonies

Analogous

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



14.8973, 15.9091, 10.5623



13.6011, 15.9091, 11.5864



12.7552, 15.9091, 14.1467

Triad

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



13.6011, 15.9091, 11.5864



13.9673, 15.9091, 25.5189



18.0507, 15.9091, 16.6862

Complementary

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



13.6011, 15.9091, 11.5864



11.7304, 10.8703, 17.7004

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.



17.7629, 15.9091, 20.9408



13.6011, 15.9091, 11.5864



15.3471, 15.9091, 26.4842

Square

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



13.6011, 15.9091, 11.5864



12.9570, 15.9091, 22.2325



16.7504, 15.9091, 24.6941



17.5137, 15.9091, 13.1942

Rectangle

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



13.6011, 15.9091, 11.5864



12.5295, 15.9091, 16.5952



16.7504, 15.9091, 24.6941



18.0475, 15.9091, 18.0704

Sweetspot

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



13.6015, 15.9098, 11.5867



27.5882, 29.9732, 29.1108



13.2752, 13.2358, 11.0878



6.5611, 7.1412, 6.8900



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.6015, 15.9098, 11.5867



23.4203, 28.0560, 18.4589



12.1775, 15.1757, 11.5201



3.8292, 4.1954, 3.9503



9.7206, 15.4155, 2.4632



46.3806, 74.6118, 11.9570

Inverse Universe

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



11.7304, 10.8703, 17.7004



19.4672, 17.4070, 31.3784



13.3051, 11.6821, 17.7741



3.6288, 3.6560, 4.6046



4.8469, 2.0900, 18.6905



22.6995, 9.7105, 91.0382

Previews

White Background



This preview shows how the XYZ color 13.6011, 15.9091, 11.5864 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 13.6011, 15.9091, 11.5864 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

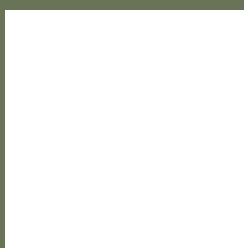
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6011, 15.9091, 11.5864

Background



This preview shows how black text looks on a background with the XYZ color 13.6011, 15.9091, 11.5864.



This preview shows how white text looks on a background with the XYZ color 13.6011, 15.9091,

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

13.6011, 15.9091, 11.5864

Protanopia

14.8354, 15.8923, 11.0897

Deuteranopia

16.1564, 15.9207, 11.8943



Tritanopia

15.3813, 15.9762, 20.0423

Trichromacy



Original Color

13.6011, 15.9091, 11.5864

Protanomaly

14.3245, 15.7872, 11.3091

Deuteranomaly

15.1248, 15.8662, 11.7165

Tritanomaly

14.5643, 15.7969, 16.4688

Monochromacy



Original Color

13.6011, 15.9091, 11.5864

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.0968, 15.4343, 14.5480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6011, 15.9091, 11.5864 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(104, 115, 88)` looks like.

```
.text, #text, p{  
    color:rgb(104, 115, 88)  
}
```

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(104, 115, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 115, 88) }
```

Border

The CSS property to change the border of an element to XYZ 13.6011, 15.9091, 11.5864 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(104, 115, 88) }
```


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

```
.border{ border-color:rgb(104, 115, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 115, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 115, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 115, 88);  
box-shadow:4px 4px 4px 4px rgb(104, 115,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6011, 15.9091, 11.5864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 115, 88) }
```

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

```
.background{ background-color: rgb(104,  
115, 88) }
```

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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