

Converting Colors

XYZ(12.8454, 15.6222, 13.5250)

Have a look what the booklet for
XYZ(12.8454, 15.6222, 13.5250)
contains.

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Color

**XYZ(12.8709, 15.6625,
13.4111)**

Conversions

Conversions Part 1

Format	Color
Hex	5D7460
RGB	93, 116, 96
RGB Percent	36%, 45%, 38%
CMY	0.6353, 0.5451, 0.6235
CMYK	0.20, 0.00, 0.17, 0.55
HSL	128°, 11%, 41%
HSV	128°, 20%, 45%
XYZ	12.8709, 15.6625, 13.4111
YIQ	106.8430, -7.2880, -11.0960

Conversions

Conversions Part 2

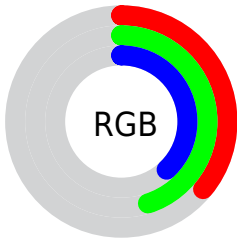
Format	Color
R_{YB}	93, 113, 116
Decimal	6124640
CIE Lab	46.53, -12.76, 8.30
CIE LCh	47, 15.221, 146.962
Yxy	15.6625, 0.3069, 0.3734
Android (android.graphics.Color)	4284314720 (0xFF5D7460)
YUV	106.8430, -5.3456, -12.1403
Hunter-Lab	39.5759, -11.2059, 7.6115

Details

The XYZ color **12.8709, 15.6625, 13.4111** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.0980, 12.7343, 17.3384**, and the grayscale version is **13.9478, 14.6741, 15.9801**.

A 20% lighter version of the original color is **30.7707, 36.0411, 32.9386**, and **3.7696, 4.9454, 3.7735** is the 20% darker color. If you saturate the color by 10%, you get **11.3497, 14.9290, 11.0693**, and if you desaturate by 10%, it is **14.6307, 16.5130, 16.0759**.

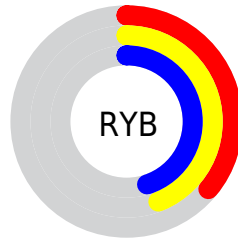
Distribution



Red (36%)

Green (45%)

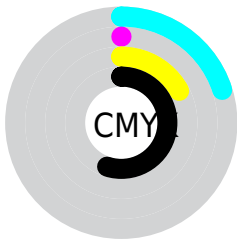
Blue (38%)



Red (36%)

Yellow (44%)

Blue (45%)

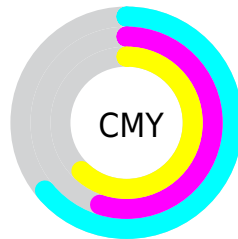


Cyan (20%)

Magenta (0%)

Yellow (17%)

Black (55%)



Cyan (64%)

Magenta (55%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8709, 15.6625, 13.4111 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 12.8709, 15.6625, 13.4111 by changing the saturation by 10% instead.

■ 12.8709, 15.6625,
13.4111

■ 12.8709, 15.6625,
13.4111

203.7430,
227.3419, 224.8354

■ 7.4161, 9.2856,
7.5782

■ 30.6749, 36.0113,
32.7423

■ 3.7723, 4.9280,
3.7424

■ 43.7549, 50.7520,
47.0778

■ 1.5741, 2.2051,
1.4851

■ 60.1073, 69.0495,
65.0844

■ 0.3755, 0.7228,
0.2068

■ 80.0974, 91.2881,
87.1809

■ 0.0000, 0.0000,
0.0000

104.0907,
117.8523, 113.7857

132.4525,

149.1263, 145.3173

165.5481,
185.4948, 182.1944

■ 12.8709, 15.6625,
13.4111

■ 12.8709, 15.6625,
13.4111

■ 11.3497, 14.9290,
11.0693

■ 14.6307, 16.5130,
16.0759

■ 10.0556, 14.3055,
9.0372

■ 16.6375, 17.4833,
19.0742

■ 8.9780, 13.7873,
7.3021

■ 18.9008, 18.5784,
22.4173

■ 8.1050, 13.3684,
5.8502

■ 21.4292, 19.8026,
26.1158

■ 7.4234, 13.0426,
4.6663

■ 24.2309, 21.1599,
30.1796

■ 6.9188, 12.8026,
3.7341

■ 27.3138, 22.6541,
34.6186

■ 6.5743, 12.6400,
3.0352

■ 30.6855, 24.2890,
39.4418

■ 6.3366, 12.5281,
2.5476

■ 34.3532, 26.0681,
44.6583

■ 6.3329, 12.5263,
2.5409

■ 38.3240, 27.9949,
50.2768

Harmonies

Analogous

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



13.7722, 15.6625, 11.3919



12.8709, 15.6625, 13.4111



12.5075, 15.6625, 16.6739

Triad

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



12.8709, 15.6625, 13.4111



14.7535, 15.6625, 25.3317



17.2498, 15.6625, 13.9839

Complementary

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



12.8709, 15.6625, 13.4111



14.0980, 12.7343, 17.3384

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.



17.5501, 15.6625, 17.4394



12.8709, 15.6625, 13.4111



16.0598, 15.6625, 24.3361

Square

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



12.8709, 15.6625, 13.4111



13.5536, 15.6625, 23.8541



17.1028, 15.6625, 21.3027



16.3046, 15.6625, 11.6869

Rectangle

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



12.8709, 15.6625, 13.4111



12.6023, 15.6625, 19.2491



17.1028, 15.6625, 21.3027



17.4318, 15.6625, 15.0321

Sweetspot

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



12.8713, 15.6632, 13.4114



26.9626, 29.6275, 30.1258



15.0727, 16.8137, 12.8070



6.3928, 7.0490, 7.1278



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.



12.8713, 15.6632, 13.4114



21.2952, 26.8901, 21.5371



13.4236, 15.8841, 16.3195



3.6583, 4.1053, 4.0345



7.1020, 14.0548, 2.8274



34.4234, 68.4166, 12.8009

Inverse Universe

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



14.0980, 12.7343, 17.3384



23.8847, 20.7060, 29.8260



13.5065, 12.4977, 14.2235



3.8071, 3.7501, 4.5108



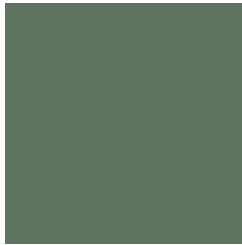
10.7069, 5.2165, 14.1968



51.9523, 25.3310, 68.0034

Previews

White Background



This preview shows how the XYZ color 12.8709, 15.6625, 13.4111 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 12.8709, 15.6625, 13.4111 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 12.8709, 15.6625, 13.4111

Background



This preview shows how black text looks on a background with the XYZ color 12.8709, 15.6625, 13.4111.



This preview shows how white text looks on a background with the XYZ color 12.8709, 15.6625,

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

12.8709, 15.6625, 13.4111

Protanopia

14.7542, 15.6552, 12.6000

Deuteranopia

15.8161, 15.5499, 13.7231



Tritanopia

14.1751, 15.5102, 20.3358

Trichromacy



Original Color

12.8709, 15.6625, 13.4111

Protanomaly

13.9989, 15.5846, 12.8600

Deuteranomaly

14.5437, 15.5256, 13.5395

Tritanomaly

13.6536, 15.4669, 17.5950

Monochromacy



Original Color

12.8709, 15.6625, 13.4111

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5036, 14.9559, 15.0070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8709, 15.6625, 13.4111 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(93, 116, 96) looks like.

```
.text, #text, p{  
    color:rgb(93, 116, 96)  
}
```

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(93, 116, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 116, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.8709, 15.6625, 13.4111 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(93, 116, 96) }
```


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

```
.border{ border-color:rgb(93, 116, 96) }
```

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

Here you see how a box with a 4 pixel rgb(93, 116, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 116, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 116, 96);  
box-shadow:4px 4px 4px 4px rgb(93, 116,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8709, 15.6625, 13.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 116, 96) }
```

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

```
.background{ background-color: rgb(93, 116,  
96) }
```

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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