

Converting Colors

XYZ(14.0904, 16.9128, 12.5119)

Have a look what the booklet for
XYZ(14.0904, 16.9128, 12.5119)
contains.

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Color

**XYZ(13.9646, 16.7738,
12.3992)**

Conversions

Conversions Part 1

Format	Color
Hex	66775B
RGB	102, 119, 91
RGB Percent	40%, 47%, 36%
CMY	0.6000, 0.5333, 0.6431
CMYK	0.14, 0.00, 0.24, 0.53
HSL	96°, 13%, 41%
HSV	96°, 24%, 47%
XYZ	13.9646, 16.7738, 12.3992
YIQ	110.7250, -1.1440, -12.3120

Conversions

Conversions Part 2

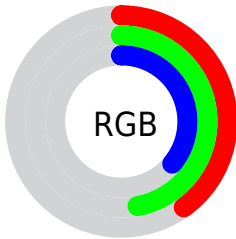
Format	Color
R_{YB}	91, 119, 108
Decimal	6715227
CIE Lab	47.97, -11.91, 13.36
CIE LCh	48, 17.899, 131.727
Yxy	16.7738, 0.3237, 0.3888
Android (android.graphics.Color)	4284905307 (0xFF66775B)
YUV	110.7250, -9.7244, -7.6518
Hunter-Lab	40.9558, -10.8100, 10.7193

Details

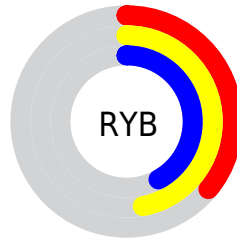
The XYZ color **13.9646, 16.7738, 12.3992** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.2561, 12.0028, 19.0719**, and the grayscale version is **15.0576, 15.8418, 17.2517**.

A 20% lighter version of the original color is **32.5075, 37.8212, 30.7862**, and **4.3024, 5.5082, 3.3190** is the 20% darker color. If you saturate the color by 10%, you get **12.7080, 16.1812, 9.8699**, and if you desaturate by 10%, it is **15.3749, 17.4373, 15.3614**.

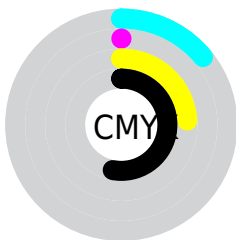
Distribution



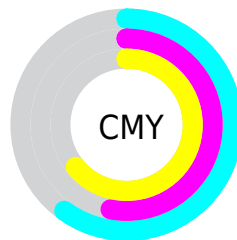
- Red (40%)
- Green (47%)
- Blue (36%)



- Red (36%)
- Yellow (47%)
- Blue (42%)



- Cyan (14%)
- Magenta (0%)
- Yellow (24%)
- Black (53%)



- Cyan (60%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9646, 16.7738, 12.3992 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 13.9646, 16.7738, 12.3992 by changing the saturation by 10% instead.

■ 13.9646, 16.7738,
12.3992

■ 13.9646, 16.7738,
12.3992

210.5255,
233.8655, 218.1014

■ 8.1776, 10.0733,
6.8903

■ 32.6130, 37.9364,
30.8953

■ 4.2616, 5.4476,
3.3162

■ 46.2051, 53.1674,
44.7196

■ 1.8511, 2.5122,
1.2583

■ 63.1296, 72.0107,
62.1529

■ 0.5482, 0.8827,
0.0272

■ 83.7518, 94.8507,
83.6135

■ 0.0000, 0.0000,
0.0000

108.4372,
122.0718, 109.5202

137.5510,

154.0583, 140.2913

171.4587,
191.1948, 176.3455

■ 13.9646, 16.7738,
12.3992

■ 13.9646, 16.7738,
12.3992

■ 12.7080, 16.1812,
9.8699

■ 15.3749, 17.4373,
15.3614

■ 11.5981, 15.6548,
7.7522

■ 16.9430, 18.1717,
18.7744

■ 10.6295, 15.1926,
6.0245

■ 18.6743, 18.9801,
22.6563

■ 9.7955, 14.7920,
4.6630

■ 20.5737, 19.8645,
27.0240

■ 9.0891, 14.4497,
3.6411

■ 22.6456, 20.8271,
31.8933

■ 8.5025, 14.1624,
2.9288

■ 24.8947, 21.8696,
37.2797

■ 8.0257, 13.9260,
2.4861

■ 27.3250, 22.9940,
43.1978

■ 7.7576, 13.7926,
2.2534

■ 29.9408, 24.2022,
49.6614

■ 32.7460, 25.4957,
56.6843

Harmonies

Analogous

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



15.3203, 16.7738, 10.8680



13.9646, 16.7738, 12.3992



13.1729, 16.7738, 15.6154

Triad

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



13.9646, 16.7738, 12.3992



14.9892, 16.7738, 28.0747



19.1801, 16.7738, 16.5156

Complementary

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



13.9646, 16.7738, 12.3992



13.2561, 12.0028, 19.0719

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.



19.0765, 16.7738, 21.1959



13.9646, 16.7738, 12.3992



16.5824, 16.7738, 28.4261

Square

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



13.9646, 16.7738, 12.3992



13.7364, 16.7738, 24.8440



18.0999, 16.7738, 25.7358



18.3741, 16.7738, 12.9620

Rectangle

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



13.9646, 16.7738, 12.3992



13.0368, 16.7738, 18.5331



18.0999, 16.7738, 25.7358



19.2519, 16.7738, 17.9971

Sweetspot

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



13.9650, 16.7745, 12.3996



29.2810, 32.0438, 31.2932



14.8383, 15.3610, 12.0807



6.9112, 7.5809, 7.3548



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.9650, 16.7745, 12.3996



23.8064, 29.4711, 19.7618



12.9232, 16.2232, 12.9933



3.7641, 4.1619, 3.9472



8.2313, 14.6477, 2.3935



39.2083, 70.9144, 11.6214

Inverse Universe

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



13.2561, 12.0028, 19.0719



22.3111, 19.4137, 33.8244



14.5136, 12.6702, 18.2656



3.6940, 3.6896, 4.6077



6.3868, 2.8838, 18.7626



30.1408, 13.5467, 91.3865

Previews

White Background



This preview shows how the XYZ color 13.9646, 16.7738, 12.3992 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 13.9646, 16.7738, 12.3992 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 13.9646, 16.7738, 12.3992

Background



This preview shows how black text looks on a background with the XYZ color 13.9646, 16.7738, 12.3992.



This preview shows how white text looks on a background with the XYZ color 13.9646, 16.7738,

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

13.9646, 16.7738, 12.3992

Protanopia

15.5517, 16.5798, 11.6131

Deuteranopia

16.9601, 16.6331, 12.6725



Tritanopia

15.8322, 16.8425, 21.4853

Trichromacy



Original Color

13.9646, 16.7738, 12.3992

Protanomaly

14.8733, 16.5601, 11.8637

Deuteranomaly

15.7221, 16.6479, 12.5099

Tritanomaly

14.9957, 16.6639, 17.7553

Monochromacy



Original Color

13.9646, 16.7738, 12.3992

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.7003, 16.2222, 15.4531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9646, 16.7738, 12.3992 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(102, 119, 91)` looks like.

```
.text, #text, p{  
    color:rgb(102, 119, 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(102, 119, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 119, 91) }
```

Border

The CSS property to change the border of an element to XYZ 13.9646, 16.7738, 12.3992 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(102, 119, 91) }
```


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

```
.border{ border-color:rgb(102, 119, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 119, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 119, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 119, 91);  
box-shadow:4px 4px 4px 4px rgb(102, 119,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9646, 16.7738, 12.3992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 119, 91) }
```

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

```
.background{ background-color: rgb(102,  
119, 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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