

Converting Colors

XYZ(12.1186, 13.6543, 12.9132)

Have a look what the booklet for
XYZ(12.1186, 13.6543, 12.9132)
contains.

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Color

**XYZ(12.1494, 13.6757,
12.8258)**

Conversions

Conversions Part 1

Format	Color
Hex	616A5F
RGB	97, 106, 95
RGB Percent	38%, 42%, 37%
CMY	0.6196, 0.5843, 0.6274
CMYK	0.08, 0.00, 0.10, 0.58
HSL	109°, 5%, 39%
HSV	109°, 10%, 42%
XYZ	12.1494, 13.6757, 12.8258
YIQ	102.0550, -1.8330, -5.3290

Conversions

Conversions Part 2

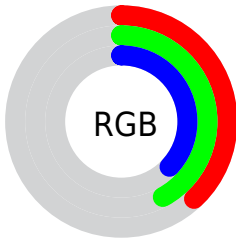
Format	Color
RYB	95, 106, 104
Decimal	6384223
CIELab	43.76, -5.73, 5.00
CIElCh	44, 7.609, 138.908
Yxy	13.6757, 0.3143, 0.3538
Android (android.graphics.Color)	4284574303 (0xFF616A5F)
YUV	102.0550, -3.4781, -4.4332
Hunter-Lab	36.9807, -6.0729, 5.3232

Details

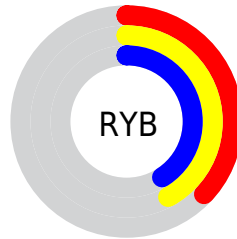
The XYZ color **12.1494, 13.6757, 12.8258** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4031, 12.1684, 15.3314**, and the grayscale version is **12.6532, 13.3121, 14.4969**.

A 20% lighter version of the original color is **29.3805, 32.4542, 31.5038**, and **3.4836, 4.0535, 3.5045** is the 20% darker color. If you saturate the color by 10%, you get **10.8259, 13.0457, 10.4175**, and if you desaturate by 10%, it is **13.6403, 14.3852, 15.5849**.

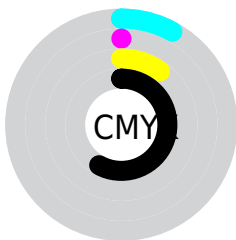
Distribution



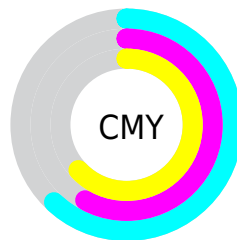
- Red (38%)
- Green (42%)
- Blue (37%)



- Red (37%)
- Yellow (42%)
- Blue (41%)



- Cyan (8%)
- Magenta (0%)
- Yellow (10%)
- Black (58%)



- Cyan (62%)
- Magenta (58%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1494, 13.6757, 12.8258 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 12.1494, 13.6757, 12.8258 by changing the saturation by 10% instead.

■ 12.1494, 13.6757,
12.8258

■ 12.1494, 13.6757,
12.8258

199.1416,
215.2039, 220.9667

■ 6.9184, 7.8955,
7.1794

■ 29.3814, 32.5125,
31.6771

■ 3.4570, 4.0281,
3.4944

■ 42.1132, 46.3378,
45.7190

■ 1.3998, 1.6893,
1.3523

■ 58.0759, 63.6137,
63.3965

■ 0.2561, 0.4167,
0.1041

■ 77.6350, 84.7244,
85.1281

■ 0.0000, 0.0000,
0.0000

101.1557,
110.0543, 111.3324

129.0035,

139.9880, 142.4279

161.5437,
174.9097, 178.8332

■ 12.1494, 13.6757,
12.8258

■ 12.1494, 13.6757,
12.8258

■ 10.8259, 13.0457,
10.4175

■ 13.6403, 14.3852,
15.5849

■ 9.6628, 12.4908,
8.3450

■ 15.3031, 15.1750,
18.7070

■ 8.6543, 12.0086,
6.5938

■ 17.1434, 16.0482,
22.2050

■ 7.7938, 11.5961,
5.1476

■ 19.1664, 17.0071,
26.0909

■ 7.0741, 11.2500,
3.9891

■ 21.3768, 18.0541,
30.3760

■ 6.4875, 10.9667,
3.0989

■ 23.7794, 19.1913,
35.0713

■ 6.0255, 10.7423,
2.4556

■ 26.3788, 20.4208,
40.1872

■ 5.6787, 10.5725,
2.0343

■ 29.1793, 21.7446,
45.7340

■ 5.4282, 10.4498,
1.7309

■ 32.1850, 23.1647,
51.7215

Harmonies

Analogous

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



12.6286, 13.6757, 11.9826



12.1494, 13.6757, 12.8258



11.9004, 13.6757, 14.2648

Triad

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



12.1494, 13.6757, 12.8258



12.7780, 13.6757, 18.3681



14.1188, 13.6757, 13.8469

Complementary

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



12.1494, 13.6757, 12.8258



12.4031, 12.1684, 15.3314

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.



14.1618, 13.6757, 15.5342



12.1494, 13.6757, 12.8258



13.3752, 13.6757, 18.2345

Square

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



12.1494, 13.6757, 12.8258



12.2559, 13.6757, 17.5177



13.8859, 13.6757, 17.1657



13.7702, 13.6757, 12.5401

Rectangle

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



12.1494, 13.6757, 12.8258



11.8932, 13.6757, 15.4072



13.8859, 13.6757, 17.1657



14.1699, 13.6757, 14.3855

Sweetspot

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



12.1498, 13.6763, 12.8261



23.2012, 24.8949, 25.9793



12.9586, 13.7883, 12.8051



5.3923, 5.8114, 6.0066



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.1498, 13.6763, 12.8261



20.8457, 23.7743, 21.6360



12.1013, 13.6326, 13.6692



3.1106, 3.4688, 3.3231



6.7125, 12.9556, 2.1469



33.6525, 65.7306, 10.9136

Inverse Universe

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



12.4031, 12.1684, 15.3314



21.3673, 20.6696, 26.7945



12.4605, 12.2185, 14.4073



3.1663, 3.1375, 3.8736



8.0497, 3.7768, 17.2270



40.3487, 18.9001, 87.7477

Previews

White Background



This preview shows how the XYZ color 12.1494, 13.6757, 12.8258 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 12.1494, 13.6757, 12.8258 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

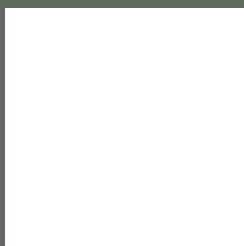
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1494, 13.6757, 12.8258

Background



This preview shows how black text looks on a background with the XYZ color 12.1494, 13.6757, 12.8258.



This preview shows how white text looks on a background with the XYZ color 12.1494, 13.6757,

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

12.1494, 13.6757, 12.8258

Protanopia

12.8894, 13.6166, 12.3048

Deuteranopia

13.8710, 13.6719, 12.9742



Tritanopia

13.1305, 13.7798, 17.2970

Trichromacy



Original Color

12.1494, 13.6757, 12.8258

Protanomaly

12.5642, 13.5923, 12.5511

Deuteranomaly

13.1694, 13.5985, 12.9970

Tritanomaly

12.7987, 13.7964, 15.6241

Monochromacy



Original Color

12.1494, 13.6757, 12.8258

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.3579, 13.3107, 13.7223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1494, 13.6757, 12.8258 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(97, 106, 95) looks like.

```
.text, #text, p{  
    color:rgb(97, 106, 95)  
}
```

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(97, 106, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 106, 95) }
```

Border

The CSS property to change the border of an element to XYZ 12.1494, 13.6757, 12.8258 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(97, 106, 95) }
```


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

```
.border{ border-color:rgb(97, 106, 95) }
```

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

Here you see how a box with a 4 pixel rgb(97, 106, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 106, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 106, 95);  
box-shadow:4px 4px 4px 4px rgb(97, 106,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1494, 13.6757, 12.8258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 106, 95) }
```

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

```
.background{ background-color: rgb(97, 106,  
95) }
```

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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