

Converting Colors

XYZ(12.0717, 13.3436, 12.2953)

Have a look what the booklet for
XYZ(12.0717, 13.3436, 12.2953)
contains.

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Color

**XYZ(12.0717, 13.3436,
12.2953)**

Conversions

Conversions Part 1

Format	Color
Hex	63685D
RGB	99, 104, 93
RGB Percent	39%, 41%, 36%
CMY	0.6118, 0.5921, 0.6353
CMYK	0.05, 0.00, 0.11, 0.59
HSL	87°, 6%, 39%
HSV	87°, 11%, 41%
XYZ	12.0717, 13.3436, 12.2953
YIQ	101.2510, 0.5510, -4.4810

Conversions

Conversions Part 2

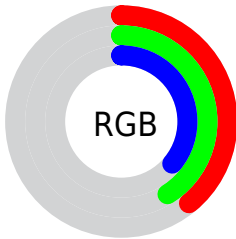
Format	Color
R_{YB}	93, 104, 98
Decimal	6514781
CIE Lab	43.28, -4.17, 5.53
CIE LCh	43, 6.927, 127.017
Yxy	13.3436, 0.3201, 0.3538
Android (android.graphics.Color)	4284704861 (0xFF63685D)
YUV	101.2510, -4.0677, -1.9741
Hunter-Lab	36.5289, -4.9367, 5.6137

Details

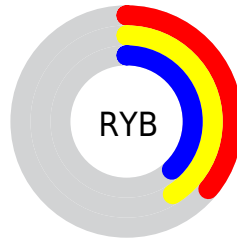
The XYZ color **12.0717, 13.3436, 12.2953** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4506, 11.4253, 14.6992**, and the grayscale version is **12.4449, 13.0930, 14.2583**.

A 20% lighter version of the original color is **29.2569, 31.9099, 30.6038**, and **3.3924, 3.8616, 3.2559** is the 20% darker color. If you saturate the color by 10%, you get **11.1406, 12.9136, 10.0084**, and if you desaturate by 10%, it is **13.0965, 13.8154, 14.9142**.

Distribution



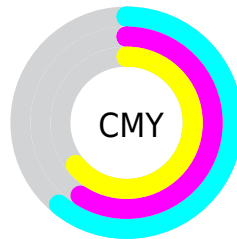
- Red (39%)
- Green (41%)
- Blue (36%)



- Red (36%)
- Yellow (41%)
- Blue (38%)



- Cyan (5%)
- Magenta (0%)
- Yellow (11%)
- Black (59%)



- Cyan (61%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0717, 13.3436, 12.2953 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 12.0717, 13.3436, 12.2953 by changing the saturation by 10% instead.

■ 12.0717, 13.3436,
12.2953

■ 12.0717, 13.3436,
12.2953

198.6396,
213.1082, 217.3974

■ 6.8651, 7.6656,
6.8201

■ 29.2413, 31.9197,
30.7042

■ 3.4234, 3.8817,
3.2731

■ 41.9351, 45.5866,
44.4750

■ 1.3814, 1.6076,
1.2357

■ 57.8552, 62.6852,
61.8482

■ 0.2429, 0.3627,
0.0082

■ 77.3671, 83.5999,
83.2422

■ 0.0000, 0.0000,
0.0000

100.8362,
108.7152, 109.0755

128.6277,

138.4154, 139.7669

161.1071,
173.0849, 175.7346

■ 12.0717, 13.3436,
12.2953

■ 12.0717, 13.3436,
12.2953

■ 11.1406, 12.9136,
10.0084

■ 13.0965, 13.8154,
14.9142

■ 10.2990, 12.5225,
8.0395

■ 14.2167, 14.3285,
17.8768

■ 9.5441, 12.1694,
6.3746

■ 15.4355, 14.8846,
21.1953

■ 8.8725, 11.8529,
4.9986

■ 16.7555, 15.4849,
24.8808

■ 8.2805, 11.5716,
3.8949

■ 18.1791, 16.1303,
28.9443

■ 7.7640, 11.3236,
3.0453

■ 19.7089, 16.8220,
33.3961

■ 7.3187, 11.1072,
2.4293

■ 21.3470, 17.5608,
38.2461

■ 6.9393, 10.9202,
2.0235

■ 23.0959, 18.3478,
43.5040

■ 6.6218, 10.7627,
1.7284

■ 24.9576, 19.1839,
49.1789

Harmonies

Analogous

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



12.5571, 13.3436, 11.7895



12.0717, 13.3436, 12.2953



11.7565, 13.3436, 13.4056

Triad

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



12.0717, 13.3436, 12.2953



12.2841, 13.3436, 17.4221



13.7344, 13.3436, 14.1710

Complementary

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



12.0717, 13.3436, 12.2953



11.4506, 11.4253, 14.6992

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.



13.6563, 13.3436, 15.7133



12.0717, 13.3436, 12.2953



12.8091, 13.3436, 17.6629

Square

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



12.0717, 13.3436, 12.2953



11.8767, 13.3436, 16.3812



13.3140, 13.3436, 17.0179



13.5243, 13.3436, 12.8218

Rectangle

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



12.0717, 13.3436, 12.2953



11.6801, 13.3436, 14.3757



13.3140, 13.3436, 17.0179



13.7410, 13.3436, 14.6832

Sweetspot

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



12.0721, 13.3442, 12.2956



22.5095, 24.0227, 24.9571



12.0482, 12.4599, 12.1262



5.4610, 5.8468, 6.0098



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.



12.0721, 13.3442, 12.2956



20.7065, 23.1923, 20.3943



11.4966, 13.0475, 12.2687



2.9263, 3.2092, 3.0396



8.1252, 13.2474, 2.1288



41.3590, 68.5673, 11.0550

Inverse Universe

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



11.4506, 11.4253, 14.6992



19.3536, 19.0147, 25.6272



12.0588, 11.7388, 14.7277



2.7999, 2.8189, 3.5285



4.5053, 1.9667, 16.2865



22.5129, 9.7501, 84.8968

Previews

White Background



This preview shows how the XYZ color 12.0717, 13.3436, 12.2953 looks on a white background.

Color Contrast Check

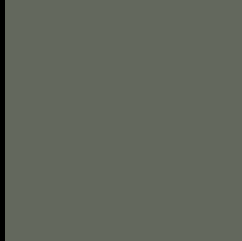
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0717, 13.3436, 12.2953 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

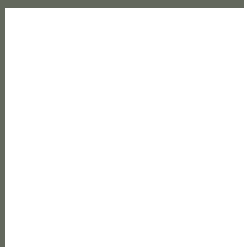
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0717, 13.3436, 12.2953

Background



This preview shows how black text looks on a background with the XYZ color 12.0717, 13.3436, 12.2953.



This preview shows how white text looks on a background with the XYZ color 12.0717, 13.3436,

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

12.0717, 13.3436, 12.2953

Protanopia

12.6270, 13.3396, 12.0345

Deuteranopia

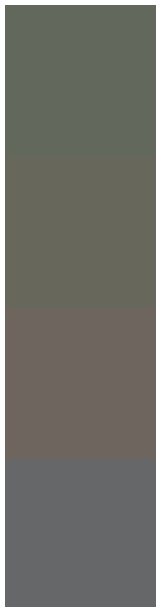
13.5525, 13.3767, 12.4573



Tritanopia

13.0453, 13.4533, 16.6610

Trichromacy



Original Color

12.0717, 13.3436, 12.2953

Protanomaly

12.3755, 13.3568, 12.0511

Deuteranomaly

12.9807, 13.3667, 12.4856

Tritanomaly

12.7158, 13.4667, 15.0258

Monochromacy



Original Color

12.0717, 13.3436, 12.2953

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2115, 13.0939, 13.4390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0717, 13.3436, 12.2953 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(99, 104, 93) looks like.

```
.text, #text, p{  
    color:rgb(99, 104, 93)  
}
```

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(99, 104, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 104, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.0717, 13.3436, 12.2953 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(99, 104, 93) }
```


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

```
.border{ border-color:rgb(99, 104, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 104, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 104, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 104, 93);  
box-shadow:4px 4px 4px 4px rgb(99, 104,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0717, 13.3436, 12.2953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 104, 93) }
```

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

```
.background{ background-color: rgb(99, 104,  
93) }
```

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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