

Converting Colors

XYZ(12.4464, 13.3013, 15.7212)

Have a look what the booklet for
XYZ(12.4464, 13.3013, 15.7212)
contains.

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Color

**XYZ(12.4339, 13.3034,
15.8224)**

Conversions

Conversions Part 1

Format	Color
Hex	61676B
RGB	97, 103, 107
RGB Percent	38%, 40%, 42%
CMY	0.6196, 0.5961, 0.5804
CMYK	0.09, 0.04, 0.00, 0.58
HSL	204°, 5%, 40%
HSV	204°, 9%, 42%
XYZ	12.4339, 13.3034, 15.8224
YIQ	101.6620, -4.8600, -0.0280

Conversions

Conversions Part 2

Format	Color
R _Y B	97, 101, 107
Decimal	6383467
CIE Lab	43.22, -1.42, -3.05
CIE LCh	43, 3.366, 244.958
Yxy	13.3034, 0.2992, 0.3201
Android (android.graphics.Color)	4284573547 (0xFF61676B)
YUV	101.6620, 2.6316, -4.0886
Hunter-Lab	36.4738, -2.9787, -0.1884

Details

The XYZ color **12.4339, 13.3034, 15.8224** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8749, 13.2963, 13.1975**, and the grayscale version is **12.5358, 13.1886, 14.3624**.

A 20% lighter version of the original color is **29.9399, 31.8757, 36.9224**, and **3.5950, 3.8584, 4.8302** is the 20% darker color. If you saturate the color by 10%, you get **10.9551, 11.9257, 15.6346**, and if you desaturate by 10%, it is **14.0891, 14.8051, 16.0252**.

Distribution



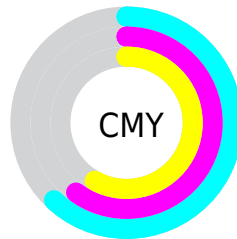
- Red (38%)
- Green (40%)
- Blue (42%)



- Red (38%)
- Yellow (40%)
- Blue (42%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (58%)



- Cyan (62%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4339, 13.3034, 15.8224 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 12.4339, 13.3034, 15.8224 by changing the saturation by 10% instead.

■ 12.4339, 13.3034,
15.8224

■ 12.4339, 13.3034,
15.8224

200.9688,
212.8531, 240.1013

■ 7.1142, 7.6378,
9.2456

■ 29.8930, 31.8478,
37.0521

■ 3.5806, 3.8641,
4.8027

■ 42.7631, 45.4954,
52.5421

■ 1.4677, 1.5978,
2.0753

■ 58.8807, 62.5724,
71.8401

■ 0.3037, 0.3561,
0.6010

■ 78.6112, 83.4633,
95.3649

■ 0.0000, 0.0000,
0.0000

102.3199,
108.5524, 123.5348

130.3721,

138.2241, 156.7685

163.1333,
172.8629, 195.4845

■ 12.4339, 13.3034,
15.8224

■ 12.4339, 13.3034,
15.8224

■ 10.9551, 11.9257,
15.6346

■ 14.0891, 14.8051,
16.0252

■ 9.6451, 10.6665,
15.4606

■ 15.9255, 16.4328,
16.2426

■ 8.4975, 9.5223,
15.3003

■ 17.9495, 18.1903,
16.4752

■ 7.5048, 8.4889,
15.1531

■ 20.1664, 20.0811,
16.7233

■ 6.6591, 7.5616,
15.0187

■ 22.5816, 22.1082,
16.9873

■ 5.9517, 6.7355,
14.8965

■ 25.2002, 24.2748,
17.2674

■ 5.3728, 6.0049,
14.7860

■ 28.0269, 26.5837,
17.5641

■ 4.9113, 5.3636,
14.6866

■ 31.0667, 29.0378,
17.8776

■ 4.5239, 4.7886,
14.5960

■ 34.3239, 31.6399,
18.2082

Harmonies

Analogous

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



12.2389, 13.3034, 15.3217



12.4339, 13.3034, 15.8224



12.6878, 13.3034, 15.9600

Triad

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



12.4339, 13.3034, 15.8224



13.1495, 13.3034, 14.3617



12.3600, 13.3034, 13.3423

Complementary

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



12.4339, 13.3034, 15.8224



12.8749, 13.2963, 13.1975

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.



12.6013, 13.3034, 13.1041



12.4339, 13.3034, 15.8224



13.0590, 13.3034, 13.6796

Square

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



12.4339, 13.3034, 15.8224



13.1032, 13.3034, 15.1001



12.8574, 13.3034, 13.2254



12.1966, 13.3034, 13.8871

Rectangle

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



12.4339, 13.3034, 15.8224



12.8568, 13.3034, 15.8233



12.8574, 13.3034, 13.2254



12.4346, 13.3034, 13.2246

Sweetspot

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



12.4343, 13.3040, 15.8227



24.0824, 25.4789, 28.5563



12.5286, 13.9934, 14.3101



5.7786, 6.1213, 6.9057



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.4343, 13.3040, 15.8227



21.7199, 23.3200, 28.2641



11.9673, 12.3699, 15.6670



3.0852, 3.2988, 3.9090



5.4434, 5.7210, 17.7396



26.8701, 27.4187, 90.1023

Inverse Universe

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



12.7866, 12.6549, 14.6012



22.4773, 21.9430, 25.6345



13.3582, 14.2629, 13.3586



3.1688, 3.1444, 3.6193



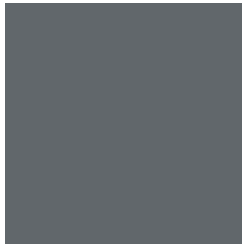
8.4944, 4.2499, 6.2322



42.8456, 21.4802, 29.4531

Previews

White Background



This preview shows how the XYZ color 12.4339, 13.3034, 15.8224 looks on a white background.

Color Contrast Check

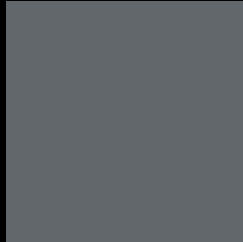
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4339, 13.3034, 15.8224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

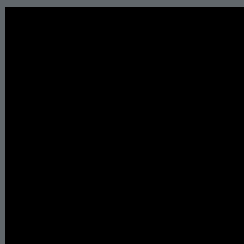
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

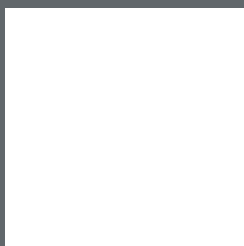
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4339, 13.3034, 15.8224

Background



This preview shows how black text looks on a background with the XYZ color 12.4339, 13.3034, 15.8224.



This preview shows how white text looks on a background with the XYZ color 12.4339, 13.3034,

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

12.4339, 13.3034, 15.8224

Protanopia

12.8487, 13.2315, 15.5124

Deuteranopia

13.4753, 13.2576, 16.0361



Tritanopia

12.6576, 13.2471, 16.9287

Trichromacy

**Original Color**

12.4339, 13.3034, 15.8224

Protanomaly

12.7197, 13.3101, 15.5344

Deuteranomaly

13.0896, 13.2003, 16.0454

Tritanomaly

12.6028, 13.2252, 16.6403

Monochromacy

**Original Color**

12.4339, 13.3034, 15.8224

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5056, 13.2115, 14.9877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4339, 13.3034, 15.8224 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, 103, 107) looks like.

```
.text, #text, p{  
    color:rgb(97, 103, 107)  
}
```

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, 103, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 103, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.4339, 13.3034, 15.8224 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, 103, 107) }
```


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

```
.border{ border-color:rgb(97, 103, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 103, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 103, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 103, 107);  
box-shadow:4px 4px 4px 4px rgb(97, 103,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4339, 13.3034, 15.8224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 103, 107) }
```

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

```
.background{ background-color: rgb(97, 103,  
107) }
```

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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