

Converting Colors

XYZ(13.2390, 14.3542, 15.2823)

Have a look what the booklet for
XYZ(13.2390, 14.3542, 15.2823)
contains.

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Color

**XYZ(13.2359, 14.3396,
15.1669)**

Conversions

Conversions Part 1

Format	Color
Hex	666B68
RGB	102, 107, 104
RGB Percent	40%, 42%, 41%
CMY	0.6000, 0.5804, 0.5922
CMYK	0.05, 0.00, 0.03, 0.58
HSL	144°, 2%, 41%
HSV	144°, 5%, 42%
XYZ	13.2359, 14.3396, 15.1669
YIQ	105.1630, -2.0170, -1.9930

Conversions

Conversions Part 2

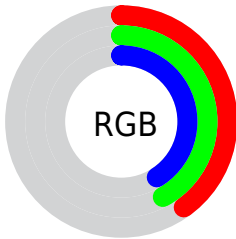
Format	Color
R_{YB}	102, 106, 107
Decimal	6712168
CIE Lab	44.72, -2.54, 1.01
CIE LCh	45, 2.735, 158.387
Yxy	14.3396, 0.3097, 0.3355
Android (android.graphics.Color)	4284902248 (0xFF666B68)
YUV	105.1630, -0.5734, -2.7740
Hunter-Lab	37.8677, -3.8772, 2.7603

Details

The XYZ color **13.2359, 14.3396, 15.1669** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3651, 13.6489, 15.2955**, and the grayscale version is **13.4736, 14.1753, 15.4369**.

A 20% lighter version of the original color is **31.2801, 33.5926, 35.8457**, and **3.9299, 4.3393, 4.5013** is the 20% darker color. If you saturate the color by 10%, you get **11.7868, 13.6292, 13.4607**, and if you desaturate by 10%, it is **14.8672, 15.1418, 17.0120**.

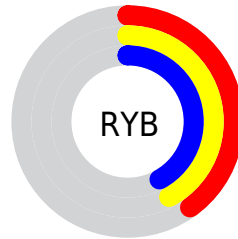
Distribution



Red (40%)

Green (42%)

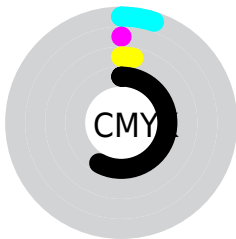
Blue (41%)



Red (40%)

Yellow (42%)

Blue (42%)

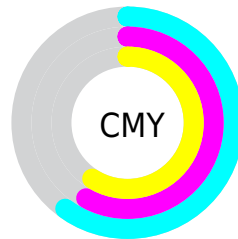


Cyan (5%)

Magenta (0%)

Yellow (3%)

Black (58%)



Cyan (60%)

Magenta (58%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2359, 14.3396, 15.1669 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 13.2359, 14.3396, 15.1669 by changing the saturation by 10% instead.

■ 13.2359, 14.3396,
15.1669

■ 13.2359, 14.3396,
15.1669

206.0312,
219.3334, 236.0497

■ 7.6693, 8.3572,
8.7887

■ 31.3247, 33.6904,
35.8921

■ 3.9341, 4.3244,
4.5087

■ 44.5775, 47.8276,
51.0762

■ 1.6649, 1.8566,
1.9083

■ 61.1232, 65.4519,
70.0327

■ 0.4342, 0.5221,
0.4980

■ 81.3271, 86.9477,
93.1801

■ 0.0000, 0.0000,
0.0000

105.5544,
112.6993, 120.9370

134.1707,

143.0912, 153.7218

167.5412,
178.5078, 191.9532

■ 13.2359, 14.3396,
15.1669

■ 13.2359, 14.3396,
15.1669

■ 11.7868, 13.6292,
13.4607

■ 14.8672, 15.1418,
17.0120

■ 10.5122, 13.0056,
11.8892

■ 16.6857, 16.0372,
18.9980

■ 9.4057, 12.4659,
10.4495

■ 18.6976, 17.0293,
21.1283

■ 8.4598, 12.0063,
9.1381

■ 20.9086, 18.1210,
23.4057

■ 7.6667, 11.6229,
7.9514

■ 23.3240, 19.3150,
25.8331

■ 7.0176, 11.3112,
6.8857

■ 25.9490, 20.6139,
28.4131

■ 6.5032, 11.0665,
5.9371

■ 28.7886, 22.0201,
31.1484

■ 6.1125, 10.8832,
5.1014

■ 31.8476, 23.5362,
34.0416

■ 5.8264, 10.7515,
4.3737

■ 35.1306, 25.1644,
37.0952

Harmonies

Analogous

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



13.3657, 14.3396, 14.6736



13.2359, 14.3396, 15.1669



13.2109, 14.3396, 15.7926

Triad

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



13.2359, 14.3396, 15.1669



13.6918, 14.3396, 16.8558



13.9671, 14.3396, 14.8656

Complementary

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



13.2359, 14.3396, 15.1669



13.3651, 13.6489, 15.2955

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.



14.0565, 14.3396, 15.4356



13.2359, 14.3396, 15.1669



13.8965, 14.3396, 16.5925

Square

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



13.2359, 14.3396, 15.1669



13.4726, 14.3396, 16.7791



14.0305, 14.3396, 16.0686



13.7874, 14.3396, 14.5029

Rectangle

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



13.2359, 14.3396, 15.1669



13.2568, 14.3396, 16.2025



14.0305, 14.3396, 16.0686



14.0088, 14.3396, 15.0387

Sweetspot

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



13.2363, 14.3402, 15.1672



24.7268, 26.1812, 28.3330



13.4920, 14.4836, 14.6552



5.9907, 6.3398, 6.8644



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.



13.2363, 14.3402, 15.1672



23.2918, 25.4764, 26.6852



13.3609, 14.3901, 15.8235



3.2081, 3.5114, 3.6755



6.9073, 12.9970, 4.8231



34.7905, 66.0633, 22.4416

Inverse Universe

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



13.3651, 13.6489, 15.2955



23.5935, 23.8579, 26.9854



13.2426, 13.5999, 14.6501



3.2504, 3.2845, 3.7175



8.4947, 4.2500, 6.2338



42.8472, 21.4808, 29.4618

Previews

White Background



This preview shows how the XYZ color 13.2359, 14.3396, 15.1669 looks on a white background.

Color Contrast Check

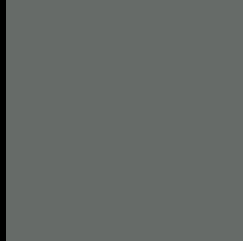
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2359, 14.3396, 15.1669 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

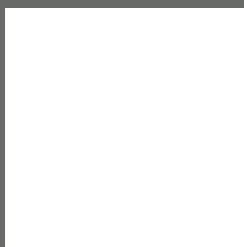
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2359, 14.3396, 15.1669

Background



This preview shows how black text looks on a background with the XYZ color 13.2359, 14.3396, 15.1669.



This preview shows how white text looks on a background with the XYZ color 13.2359, 14.3396,

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

13.2359, 14.3396, 15.1669

Protanopia

13.6841, 14.2706, 14.8652

Deuteranopia

14.5036, 14.2357, 15.3479



Tritanopia

13.9002, 14.4660, 17.9792

Trichromacy

**Original Color**

13.2359, 14.3396, 15.1669

Protanomaly

13.5461, 14.3515, 14.8881

Deuteranomaly

14.0557, 14.3001, 15.3840

Tritanomaly

13.5620, 14.3174, 16.8006

Monochromacy

**Original Color**

13.2359, 14.3396, 15.1669

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.4128, 14.2710, 15.4123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2359, 14.3396, 15.1669 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, 107, 104)` looks like.

```
.text, #text, p{  
    color:rgb(102, 107, 104)  
}
```

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, 107, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 107, 104) }
```

Border

The CSS property to change the border of an element to XYZ 13.2359, 14.3396, 15.1669 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, 107, 104) }
```


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

```
.border{ border-color:rgb(102, 107, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 107, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 107, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 107, 104);  
box-shadow:4px 4px 4px 4px rgb(102, 107,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2359, 14.3396, 15.1669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 107, 104) }
```

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

```
.background{ background-color: rgb(102,  
107, 104) }
```

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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