

Converting Colors

XYZ(13.0156, 13.8529, 16.2563)

Have a look what the booklet for
XYZ(13.0156, 13.8529, 16.2563)
contains.

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Color

**XYZ(13.0139, 13.8952,
16.1835)**

Conversions

Conversions Part 1

Format	Color
Hex	64696C
RGB	100, 105, 108
RGB Percent	39%, 41%, 42%
CMY	0.6078, 0.5882, 0.5765
CMYK	0.07, 0.03, 0.00, 0.58
HSL	202°, 4%, 41%
HSV	202°, 7%, 42%
XYZ	13.0139, 13.8952, 16.1835
YIQ	103.8470, -3.9430, -0.1270

Conversions

Conversions Part 2

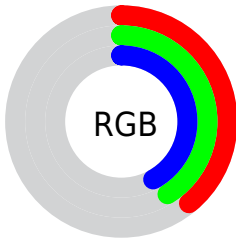
Format	Color
R_{YB}	100, 103, 108
Decimal	6580588
CIE Lab	44.08, -1.27, -2.35
CIE LCh	44, 2.672, 241.664
Yxy	13.8952, 0.3020, 0.3224
Android (android.graphics.Color)	4284770668 (0xFF64696C)
YUV	103.8470, 2.0474, -3.3738
Hunter-Lab	37.2763, -2.9155, 0.3526

Details

The XYZ color **13.0139, 13.8952, 16.1835** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3349, 13.8087, 14.0194**, and the grayscale version is **13.1130, 13.7959, 15.0237**.

A 20% lighter version of the original color is **30.9090, 32.8594, 37.5143**, and **3.8236, 4.1199, 5.0086** is the 20% darker color. If you saturate the color by 10%, you get **11.4952, 12.5151, 15.9974**, and if you desaturate by 10%, it is **14.7114, 15.3974, 16.3842**.

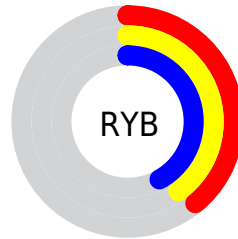
Distribution



Red (39%)

Green (41%)

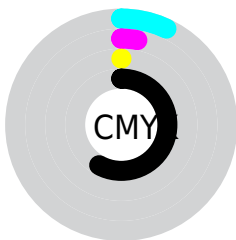
Blue (42%)



Red (39%)

Yellow (40%)

Blue (42%)

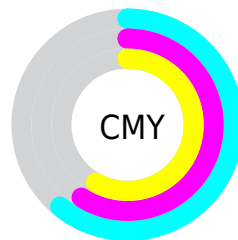


Cyan (7%)

Magenta (3%)

Yellow (0%)

Black (58%)



Cyan (61%)

Magenta (59%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0139, 13.8952, 16.1835 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 13.0139, 13.8952, 16.1835 by changing the saturation by 10% instead.

■ 13.0139, 13.8952,
16.1835

■ 13.0139, 13.8952,
16.1835

204.6425,
216.5779, 242.3047

■ 7.5152, 8.0478,
9.4983

■ 30.9299, 32.9030,
37.6877

■ 3.8355, 4.1256,
4.9664

■ 44.0778, 46.8321,
53.3438

■ 1.6095, 1.7440,
2.1692

■ 60.5062, 64.2240,
72.8273

■ 0.3986, 0.4519,
0.6565

■ 80.5804, 85.4630,
96.5567

■ 0.0000, 0.0000,
0.0000

104.6658,
110.9335, 124.9507

133.1277,

141.0198, 158.4276

166.3315,
176.1065, 197.4061

■ 13.0139, 13.8952,
16.1835

■ 13.0139, 13.8952,
16.1835

■ 11.4952, 12.5151,
15.9974

■ 14.7114, 15.3974,
16.3842

■ 10.1478, 11.2516,
15.8245

■ 16.5926, 17.0234,
16.5989

■ 8.9650, 10.1014,
15.6648

■ 18.6637, 18.7773,
16.8283

■ 7.9395, 9.0602,
15.5179

■ 20.9303, 20.6622,
17.0726

■ 7.0635, 8.1235,
15.3833

■ 23.3977, 22.6813,
17.3323

6.3282, 7.2863,
15.2604

26.0710, 24.8376,
17.6076

5.7238, 6.5433,
15.1489

28.9551, 27.1339,
17.8988

5.2395, 5.8883,
15.0480

32.0547, 29.5731,
18.2063

4.8438, 5.3047,
14.9562

35.3744, 32.1578,
18.5302

Harmonies

Analogous

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



12.8621, 13.8952, 15.7524



13.0139, 13.8952, 16.1835



13.2188, 13.8952, 16.3301

Triad

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



13.0139, 13.8952, 16.1835



13.6198, 13.8952, 15.0955



12.9936, 13.8952, 14.1548

Complementary

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



13.0139, 13.8952, 16.1835



13.3349, 13.8087, 14.0194

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.



13.1951, 13.8952, 13.9892



13.0139, 13.8952, 16.1835



13.5580, 13.8952, 14.5233

Square

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



13.0139, 13.8952, 16.1835



13.5700, 13.8952, 15.6920



13.4019, 13.8952, 14.1223



12.8504, 13.8952, 14.5806

Rectangle

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



13.0139, 13.8952, 16.1835



13.3585, 13.8952, 16.2438



13.4019, 13.8952, 14.1223



13.0566, 13.8952, 14.0674

Sweetspot

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



13.0143, 13.8958, 16.1838



24.4031, 25.7797, 28.5975



13.0632, 14.4126, 14.9081



5.9186, 6.2504, 6.9233



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.



13.0143, 13.8958, 16.1838



22.3348, 23.9344, 28.3503



12.6227, 13.1126, 16.0533



3.0912, 3.3106, 3.9110



5.6333, 6.1010, 17.8029



27.8506, 29.3798, 90.4292

Inverse Universe

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



13.2916, 13.3227, 15.2363



22.9379, 22.7025, 26.2869



13.7356, 14.6100, 14.1529



3.1718, 3.1456, 3.6351



8.5903, 4.2882, 6.7371



43.3405, 21.6781, 32.0594

Previews

White Background



This preview shows how the XYZ color 13.0139, 13.8952, 16.1835 looks on a white background.

Color Contrast Check

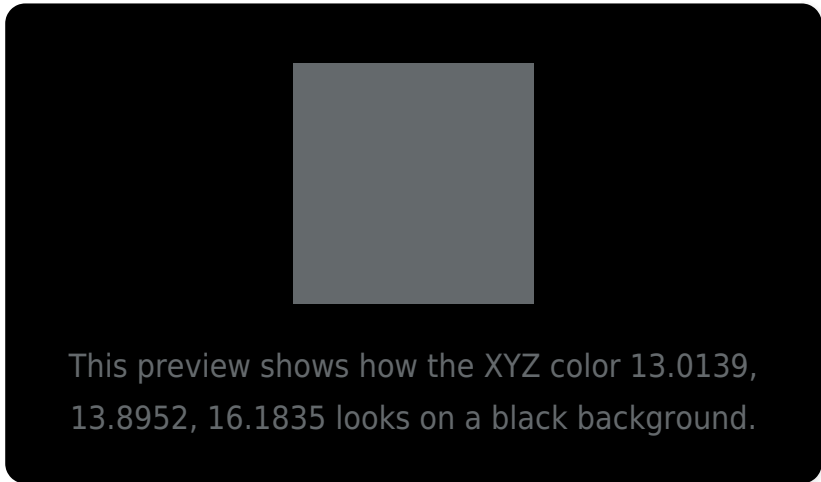
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

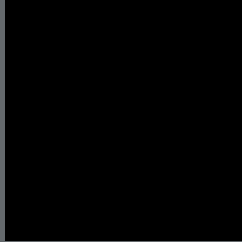
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

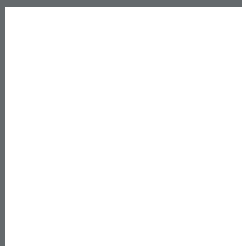
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0139, 13.8952, 16.1835

Background



This preview shows how black text looks on a background with the XYZ color 13.0139, 13.8952, 16.1835.



This preview shows how white text looks on a background with the XYZ color 13.0139, 13.8952,

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

13.0139, 13.8952, 16.1835

Protanopia

13.4299, 13.9654, 15.8977

Deuteranopia

14.0961, 13.8562, 16.3996



Tritanopia

13.2978, 13.8596, 17.5971

Trichromacy

**Original Color**

13.0139, 13.8952, 16.1835

Protanomaly

13.1977, 13.8457, 15.8868

Deuteranomaly

13.6960, 13.7950, 16.4088

Tritanomaly

13.1864, 13.8150, 17.0105

Monochromacy

**Original Color**

13.0139, 13.8952, 16.1835

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.0936, 13.8041, 15.3390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0139, 13.8952, 16.1835 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(100, 105, 108)` looks like.

```
.text, #text, p{  
    color:rgb(100, 105, 108)  
}
```

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(100, 105, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 105, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.0139, 13.8952, 16.1835 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(100, 105, 108) }
```


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

```
.border{ border-color:rgb(100, 105, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 105, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 105, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 105, 108);  
box-shadow:4px 4px 4px 4px rgb(100, 105,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0139, 13.8952, 16.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 105, 108) }
```

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

```
.background{ background-color: rgb(100,  
105, 108) }
```

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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