

Converting Colors

XYZ(13.2008, 13.1715, 16.4273)

Have a look what the booklet for
XYZ(13.2008, 13.1715, 16.4273)
contains.

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Color

**XYZ(13.1660, 13.0920,
16.3011)**

Conversions

Conversions Part 1

Format	Color
Hex	6A636D
RGB	106, 99, 109
RGB Percent	42%, 39%, 43%
CMY	0.5843, 0.6118, 0.5725
CMYK	0.03, 0.09, 0.00, 0.57
HSL	282°, 5%, 41%
HSV	282°, 9%, 43%
XYZ	13.1660, 13.0920, 16.3011
YIQ	102.2330, 0.9620, 4.5940

Conversions

Conversions Part 2

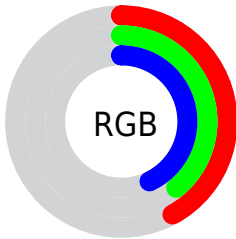
Format	Color
R_{YB}	106, 99, 109
Decimal	6972269
CIE _{Lab}	42.90, 4.82, -4.64
CIE _{LCh}	43, 6.694, 316.076
Yxy	13.0920, 0.3094, 0.3076
Android (android.graphics.Color)	4285162349 (0xFF6A636D)
YUV	102.2330, 3.3361, 3.3037
Hunter-Lab	36.1829, 1.6315, -1.3833

Details

The XYZ color **13.1660, 13.0920, 16.3011** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2008, 14.6633, 13.9396**, and the grayscale version is **12.6819, 13.3424, 14.5299**.

A 20% lighter version of the original color is **31.1561, 31.5189, 37.6993**, and **3.9462, 3.8238, 5.0875** is the 20% darker color. If you saturate the color by 10%, you get **11.8211, 10.9681, 15.9622**, and if you desaturate by 10%, it is **14.6659, 15.5035, 16.6877**.

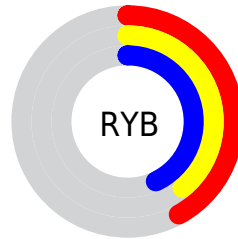
Distribution



Red (42%)

Green (39%)

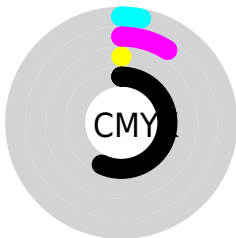
Blue (43%)



Red (42%)

Yellow (39%)

Blue (43%)

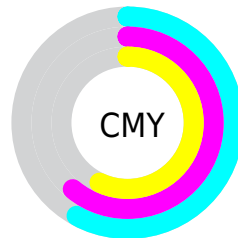


Cyan (3%)

Magenta (9%)

Yellow (0%)

Black (57%)



Cyan (58%)

Magenta (61%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1660, 13.0920, 16.3011 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 13.1660, 13.0920, 16.3011 by changing the saturation by 10% instead.

■ 13.1660, 13.0920,
16.3011

■ 13.1660, 13.0920,
16.3011

205.5950,
211.5064, 243.0180

■ 7.6207, 7.4919,
9.5808

■ 31.2005, 31.4690,
37.8942

■ 3.9030, 3.7716,
5.0200

■ 44.4204, 45.0147,
53.6041

■ 1.6474, 1.5466,
2.2000

■ 60.9293, 61.9777,
73.1475

■ 0.4230, 0.3212,
0.6744

■ 81.0924, 82.7424,
96.9432

■ 0.0000, 0.0000,
0.0000

105.2752,
107.6932, 125.4095

133.8430,

137.2146, 158.9651

167.1611,
171.6909, 198.0284

■ 13.1660, 13.0920,
16.3011

■ 13.1660, 13.0920,
16.3011

■ 11.8211, 10.9681,
15.9622

■ 14.6659, 15.5035,
16.6877

■ 10.6243, 9.1189,
15.6684

■ 16.3251, 18.2115,
17.1230

■ 9.5699, 7.5330,
15.4178

■ 18.1491, 21.2265,
17.6088

■ 8.6515, 6.1977,
15.2085

■ 20.1427, 24.5580,
18.1468

■ 7.8619, 5.0991,
15.0381

■ 22.3106, 28.2153,
18.7384

7.1934, 4.2219,
14.9040

24.6573, 32.2069,
19.3852

6.6373, 3.5489,
14.8034

27.1871, 36.5414,
20.0885

6.1836, 3.0605,
14.7330

29.9042, 41.2269,
20.8497

5.7955, 2.6833,
14.6807

32.8126, 46.2711,
21.6700

Harmonies

Analogous

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



12.7181, 13.0920, 17.1386



13.1660, 13.0920, 16.3011



13.4235, 13.0920, 14.9441

Triad

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



13.1660, 13.0920, 16.3011



12.6819, 13.0920, 11.6903



11.5216, 13.0920, 15.0498

Complementary

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



13.1660, 13.0920, 16.3011



13.2008, 14.6633, 13.9396

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.



11.5125, 13.0920, 13.5874



13.1660, 13.0920, 16.3011



12.1730, 13.0920, 11.7144

Square

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



13.1660, 13.0920, 16.3011



13.1389, 13.0920, 12.3196



11.7480, 13.0920, 12.3876



11.7732, 13.0920, 16.3831

Rectangle

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



13.1660, 13.0920, 16.3011



13.4481, 13.0920, 13.9587



11.7480, 13.0920, 12.3876



11.4903, 13.0920, 14.5554

Sweetspot

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



13.1664, 13.0926, 16.3014



25.1777, 26.0104, 29.6007



12.6742, 13.2929, 16.3660



5.8155, 5.9828, 6.8771



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.



13.1664, 13.0926, 16.3014



23.0395, 22.5903, 29.0533



13.4316, 13.2405, 15.8040



3.1335, 3.1206, 3.8721



6.7169, 3.0897, 17.1646



33.3193, 15.2763, 87.4187

Inverse Universe

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



13.1673, 13.1348, 14.4125



23.0459, 22.6850, 24.9242



12.9555, 14.5266, 14.3909



3.1337, 3.1303, 3.4343



7.6829, 3.9253, 1.9585



38.8044, 19.8637, 8.1728

Previews

White Background



This preview shows how the XYZ color 13.1660, 13.0920, 16.3011 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 13.1660, 13.0920, 16.3011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

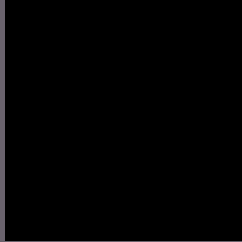
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1660, 13.0920, 16.3011

Background



This preview shows how black text looks on a background with the XYZ color 13.1660, 13.0920, 16.3011.



This preview shows how white text looks on a background with the XYZ color 13.1660, 13.0920,

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

13.1660, 13.0920, 16.3011

Protanopia

12.8350, 13.1999, 16.6232

Deuteranopia

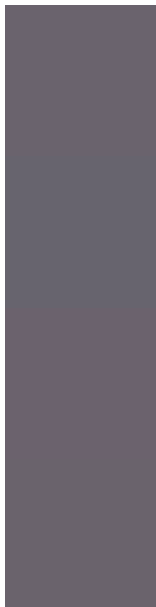
13.3123, 13.0276, 16.2809



Tritanopia

13.0595, 13.0494, 15.7404

Trichromacy



Original Color

13.1660, 13.0920, 16.3011

Protanomaly

12.9652, 13.1237, 16.6016

Deuteranomaly

13.1914, 12.9653, 16.2753

Tritanomaly

13.1125, 13.0706, 16.0191

Monochromacy



Original Color

13.1660, 13.0920, 16.3011

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.7970, 13.2108, 15.2401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1660, 13.0920, 16.3011 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(106, 99, 109)` looks like.

```
.text, #text, p{  
    color:rgb(106, 99, 109)  
}
```

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(106, 99, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 99, 109) }
```

Border

The CSS property to change the border of an element to XYZ 13.1660, 13.0920, 16.3011 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(106, 99, 109) }
```


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

```
.border{ border-color:rgb(106, 99, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 99, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 99, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 99, 109);  
box-shadow:4px 4px 4px 4px rgb(106, 99,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1660, 13.0920, 16.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 99, 109) }
```

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

```
.background{ background-color: rgb(106, 99,  
109) }
```

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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