

Converting Colors

XYZ(13.6244, 13.6423, 19.0821)

Have a look what the booklet for
XYZ(13.6244, 13.6423, 19.0821)
contains.

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Color

**XYZ(13.6149, 13.6943,
19.0652)**

Conversions

Conversions Part 1

Format	Color
Hex	676676
RGB	103, 102, 118
RGB Percent	40%, 40%, 46%
CMY	0.5961, 0.6000, 0.5373
CMYK	0.13, 0.14, 0.00, 0.54
HSL	244°, 7%, 43%
HSV	244°, 14%, 46%
XYZ	13.6149, 13.6943, 19.0652
YIQ	104.1230, -4.5400, 5.1880

Conversions

Conversions Part 2

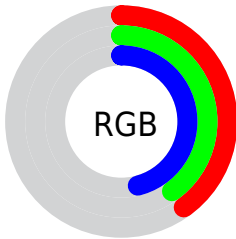
Format	Color
R_{YB}	103, 102, 118
Decimal	6776438
CIE Lab	43.79, 3.89, -8.80
CIE LCh	44, 9.624, 293.864
Yxy	13.6943, 0.2936, 0.2953
Android (android.graphics.Color)	4284966518 (0xFF676676)
YUV	104.1230, 6.8414, -0.9849
Hunter-Lab	37.0058, 0.9122, -4.6418

Details

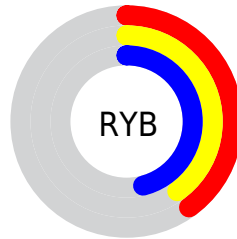
The XYZ color **13.6149, 13.6943, 19.0652** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.2133, 17.6984, 15.1326**, and the grayscale version is **13.1745, 13.8606, 15.0942**.

A 20% lighter version of the original color is **31.9734, 32.5548, 42.6287**, and **4.1026, 4.0153, 6.3532** is the 20% darker color. If you saturate the color by 10%, you get **11.3507, 10.9266, 18.6505**, and if you desaturate by 10%, it is **16.2129, 16.8799, 19.5434**.

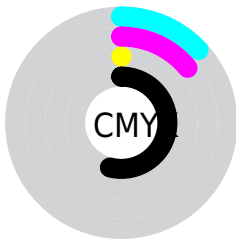
Distribution



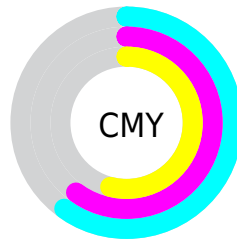
- Red (40%)
- Green (40%)
- Blue (46%)



- Red (40%)
- Yellow (40%)
- Blue (46%)



- Cyan (13%)
- Magenta (14%)
- Yellow (0%)
- Black (54%)



- Cyan (60%)
- Magenta (60%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6149, 13.6943, 19.0652 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 13.6149, 13.6943, 19.0652 by changing the saturation by 10% instead.

■ 13.6149, 13.6943,
19.0652

■ 13.6149, 13.6943,
19.0652

208.3807,
215.3207, 259.2432

■ 7.9332, 7.9084,
11.5401

■ 31.9962, 32.5456,
42.6824

■ 4.1037, 4.0364,
6.3126

■ 45.4264, 46.3798,
59.6116

■ 1.7610, 1.6939,
2.9643

■ 62.1703, 63.6655,
80.5126

■ 0.4940, 0.4197,
1.0764

■ 82.5931, 84.7871,
105.8039

■ 0.0000, 0.0000,
0.0000

107.0602,
110.1290, 135.9041

135.9369,

140.0757, 171.2316

169.5886,
175.0114, 212.2052

■ 13.6149, 13.6943,
19.0652

■ 13.6149, 13.6943,
19.0652

■ 11.3507, 10.9266,
18.6505

■ 16.2129, 16.8799,
19.5434

■ 9.4057, 8.5579,
18.2958

■ 19.1563, 20.4979,
20.0866

■ 7.7658, 6.5703,
17.9986

■ 22.4575, 24.5643,
20.6975

■ 6.4156, 4.9438,
17.7558

■ 26.1280, 29.0937,
21.3783

■ 5.3381, 3.6567,
17.5642

■ 30.1786, 34.1001,
22.1311

■ 4.5147, 2.6849,
17.4200

■ 34.6200, 39.5969,
22.9580

■ 3.9246, 2.0013,
17.3192

■ 39.4622, 45.5968,
23.8609

■ 3.5414, 1.5704,
17.2562

■ 44.7149, 52.1123,
24.8417

■ 3.3623, 1.3556,
17.2242

■ 50.3876, 59.1553,
25.9021

Harmonies

Analogous

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



12.8608, 13.6943, 19.4603



13.6149, 13.6943, 19.0652



14.2295, 13.6943, 17.5115

Triad

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



13.6149, 13.6943, 19.0652



13.8950, 13.6943, 11.7860



11.6194, 13.6943, 14.4688

Complementary

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



13.6149, 13.6943, 19.0652



16.2133, 17.6984, 15.1326

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.



11.8735, 13.6943, 12.5812



13.6149, 13.6943, 19.0652



13.1725, 13.6943, 11.1321

Square

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



13.6149, 13.6943, 19.0652



14.3956, 13.6943, 13.2843



12.4350, 13.6943, 11.4085



11.7275, 13.6943, 16.6649

Rectangle

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



13.6149, 13.6943, 19.0652



14.4676, 13.6943, 16.1018



12.4350, 13.6943, 11.4085



11.6649, 13.6943, 13.7800

Sweetspot

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



13.6153, 13.6949, 19.0655



28.2445, 29.3573, 34.3149



15.1345, 16.9023, 19.6045



6.4243, 6.6644, 7.8767



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.6153, 13.6949, 19.0655



22.7503, 22.6239, 33.3048



14.5522, 14.1779, 19.1094



3.5198, 3.5998, 4.5995



3.6333, 1.4644, 18.6337



17.4466, 7.0025, 90.7924

Inverse Universe

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



15.4339, 14.6392, 18.8424



26.5484, 24.5964, 32.8278



15.2084, 17.1804, 15.0856



3.8172, 3.7542, 4.5644



11.1634, 5.3991, 16.6007



54.2828, 26.2632, 80.2756

Previews

White Background



This preview shows how the XYZ color 13.6149, 13.6943, 19.0652 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 13.6149, 13.6943, 19.0652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

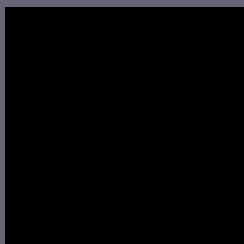
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

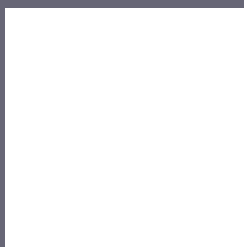
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6149, 13.6943, 19.0652

Background



This preview shows how black text looks on a background with the XYZ color 13.6149, 13.6943, 19.0652.



This preview shows how white text looks on a background with the XYZ color 13.6149, 13.6943,

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

13.6149, 13.6943, 19.0652

Protanopia

13.4871, 13.7752, 19.0876

Deuteranopia

13.9871, 13.7412, 19.0547



Tritanopia

13.1990, 13.6730, 16.9824

Trichromacy



Original Color

13.6149, 13.6943, 19.0652

Protanomaly

13.5998, 13.8333, 19.0928

Deuteranomaly

13.8676, 13.6795, 19.0491

Tritanomaly

13.3670, 13.7402, 17.8672

Monochromacy



Original Color

13.6149, 13.6943, 19.0652

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.3195, 13.7477, 16.4196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6149, 13.6943, 19.0652 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(103, 102, 118)` looks like.

```
.text, #text, p{  
    color:rgb(103, 102, 118)  
}
```

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(103, 102, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 102, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.6149, 13.6943, 19.0652 is called "border". The border property can be set on classes, ids or directly on the HTML element.

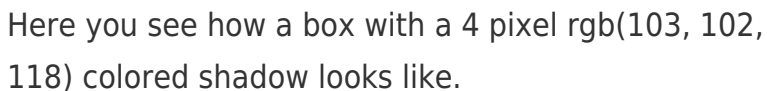
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 102, 118) }
```


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

```
.border{ border-color:rgb(103, 102, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 102, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 102, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 102, 118); box-shadow:4px 4px 4px 4px rgb(103, 102, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6149, 13.6943, 19.0652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 102, 118) }
```

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

```
.background{ background-color: rgb(103,  
102, 118) }
```

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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