

Converting Colors

XYZ(13.7979, 13.3781, 21.0423)

Have a look what the booklet for
XYZ(13.7979, 13.3781, 21.0423)
contains.

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Color

**XYZ(13.6934, 13.2625,
20.9070)**

Conversions

Conversions Part 1

Format	Color
Hex	67637C
RGB	103, 99, 124
RGB Percent	40%, 39%, 49%
CMY	0.5961, 0.6118, 0.5137
CMYK	0.17, 0.20, 0.00, 0.51
HSL	250°, 11%, 44%
HSV	250°, 20%, 49%
XYZ	13.6934, 13.2625, 20.9070
YIQ	103.0460, -5.6410, 8.6230

Conversions

Conversions Part 2

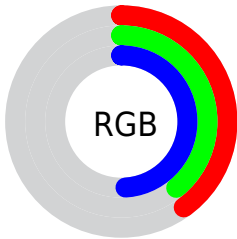
Format	Color
RYB	103, 99, 124
Decimal	6775676
CIELab	43.16, 7.13, -13.39
CIElCh	43, 15.171, 298.046
Yxy	13.2625, 0.2861, 0.2771
Android (android.graphics.Color)	4284965756 (0xFF67637C)
YUV	103.0460, 10.3303, -0.0403
Hunter-Lab	36.4177, 3.3867, -8.5453

Details

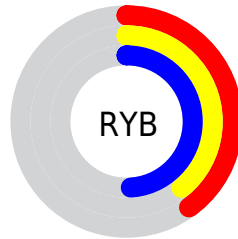
The XYZ color **13.6934, 13.2625, 20.9070** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2061, 19.3097, 14.6253**, and the grayscale version is **12.8792, 13.5499, 14.7559**.

A 20% lighter version of the original color is **32.1686, 31.8570, 46.0485**, and **4.1740, 3.8950, 7.1884** is the 20% darker color. If you saturate the color by 10%, you get **11.4864, 10.5130, 20.4928**, and if you desaturate by 10%, it is **16.2305, 16.4507, 21.3889**.

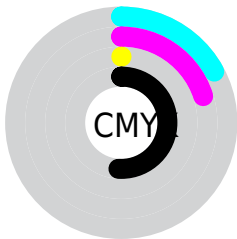
Distribution



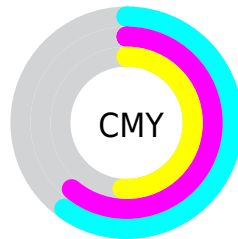
- Red (40%)
- Green (39%)
- Blue (49%)



- Red (40%)
- Yellow (39%)
- Blue (49%)



- Cyan (17%)
- Magenta (20%)
- Yellow (0%)
- Black (51%)



- Cyan (60%)
- Magenta (61%)
- Yellow (51%)
- Black (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6934, 13.2625, 20.9070 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 13.6934, 13.2625, 20.9070 by changing the saturation by 10% instead.

■ 13.6934, 13.2625,
20.9070

■ 13.6934, 13.2625,
20.9070

208.8640,
212.5932, 269.5486

■ 7.9880, 7.6096,
12.8655

■ 32.1348, 31.7746,
45.8115

■ 4.1390, 3.8461,
7.2063

■ 45.6016, 45.4025,
63.5115

■ 1.7811, 1.5879,
3.5111

■ 62.3862, 62.4575,
85.2681

■ 0.5062, 0.3494,
1.3611

■ 82.8540, 83.3241,
111.4998

■ 0.0000, 0.0000,
0.1111

107.3703,
108.3865, 142.6252

■ 0.0000, 0.0000,
0.0000

136.3005,

138.0293, 179.0628

170.0100,
172.6367, 221.2311

■ 13.6934, 13.2625,
20.9070

■ 13.6934, 13.2625,
20.9070

■ 11.4864, 10.5130,
20.4928

■ 16.2305, 16.4507,
21.3889

■ 9.5946, 8.1812,
20.1425

■ 19.1094, 20.0940,
21.9404

■ 8.0039, 6.2472,
19.8530

■ 22.3426, 24.2098,
22.5644

■ 6.6984, 4.6884,
19.6209

■ 25.9416, 28.8144,
23.2635

■ 5.6608, 3.4802,
19.4424

■ 29.9175, 33.9231,
24.0400

4.8719, 2.5948,
19.3131

34.2809, 39.5506,
24.8962

4.3099, 2.0004,
19.2280

39.0419, 45.7109,
25.8344

3.9232, 1.6022,
19.1715

44.2102, 52.4177,
26.8565

49.7954, 59.6840,
27.9647

Harmonies

Analogous

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



12.5291, 13.2625, 21.8855



13.6934, 13.2625, 20.9070



14.6127, 13.2625, 18.1264

Triad

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



13.6934, 13.2625, 20.9070



13.8343, 13.2625, 9.6341



10.4880, 13.2625, 14.2220

Complementary

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



13.6934, 13.2625, 20.9070



17.2061, 19.3097, 14.6253

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.



10.7913, 13.2625, 11.2917



13.6934, 13.2625, 20.9070



12.6825, 13.2625, 8.9104

Square

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



13.6934, 13.2625, 20.9070



14.6975, 13.2625, 11.6178



11.5770, 13.2625, 9.4674



10.7223, 13.2625, 17.6872

Rectangle

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



13.6934, 13.2625, 20.9070



14.9374, 13.2625, 15.8168



11.5770, 13.2625, 9.4674



10.5300, 13.2625, 13.1466

Sweetspot

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



13.6938, 13.2630, 20.9073



30.5231, 31.4265, 38.0138



15.5307, 17.6015, 21.6479



7.1291, 7.3261, 8.9414



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.6938, 13.2630, 20.9073



22.3145, 21.1124, 36.4556



15.2036, 14.0414, 20.9780



3.8519, 3.9215, 4.9971



3.9866, 1.6279, 19.4894



18.5318, 7.5155, 92.9437

Inverse Universe

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



16.1647, 14.5655, 19.7297



27.4717, 23.8322, 33.9357



15.6142, 18.4890, 14.5508



4.1283, 4.0670, 4.8731



10.9983, 5.3755, 13.8137



52.2014, 25.5369, 64.5158

Previews

White Background



This preview shows how the XYZ color 13.6934, 13.2625, 20.9070 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 13.6934, 13.2625, 20.9070 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 13.6934, 13.2625, 20.9070

Background



This preview shows how black text looks on a background with the XYZ color 13.6934, 13.2625, 20.9070.



This preview shows how white text looks on a background with the XYZ color 13.6934, 13.2625,

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

13.6934, 13.2625, 20.9070

Protanopia

13.1792, 13.2748, 21.2697

Deuteranopia

13.5621, 13.3363, 20.9281



Tritanopia

12.8214, 13.3379, 16.6506

Trichromacy



Original Color

13.6934, 13.2625, 20.9070

Protanomaly

13.4044, 13.2477, 21.2526

Deuteranomaly

13.6748, 13.3944, 20.9334

Tritanomaly

13.1150, 13.3119, 18.0979

Monochromacy



Original Color

13.6934, 13.2625, 20.9070

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.2141, 13.5340, 16.9548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6934, 13.2625, 20.9070 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, 99, 124)` looks like.

```
.text, #text, p{  
    color:rgb(103, 99, 124)  
}
```

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, 99, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 99, 124) }
```

Border

The CSS property to change the border of an element to XYZ 13.6934, 13.2625, 20.9070 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, 99, 124) }
```


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

```
.border{ border-color:rgb(103, 99, 124) }
```

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

Here you see how a box with a 4 pixel rgb(103, 99, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 99, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 99, 124);  
box-shadow:4px 4px 4px 4px rgb(103, 99,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6934, 13.2625, 20.9070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 99, 124) }
```

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

```
.background{ background-color: rgb(103, 99,  
124) }
```

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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