

Converting Colors

XYZ(13.9115, 13.8263, 20.0247)

Have a look what the booklet for
XYZ(13.9115, 13.8263, 20.0247)
contains.

XYZ(13.9115, 13.8263, 20.0247)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.9115, 13.8263,
20.0247)**

Conversions

Conversions Part 1

Format	Color
Hex	686679
RGB	104, 102, 121
RGB Percent	41%, 40%, 47%
CMY	0.5922, 0.6000, 0.5255
CMYK	0.14, 0.16, 0.00, 0.53
HSL	246°, 9%, 44%
HSV	246°, 16%, 47%
XYZ	13.9115, 13.8263, 20.0247
YIQ	104.7640, -4.9070, 6.3330

Conversions

Conversions Part 2

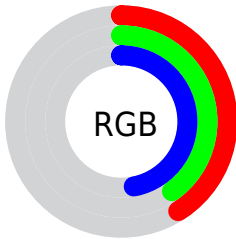
Format	Color
R_{YB}	104, 102, 121
Decimal	6841977
CIE Lab	43.98, 4.95, -10.32
CIE LCh	44, 11.445, 295.649
Yxy	13.8263, 0.2913, 0.2895
Android (android.graphics.Color)	4285032057 (0xFF686679)
YUV	104.7640, 8.0043, -0.6700
Hunter-Lab	37.1837, 1.7104, -5.9011

Details

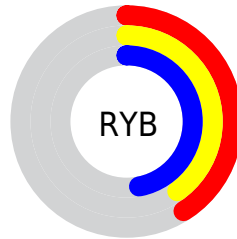
The XYZ color **13.9115, 13.8263, 20.0247** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.8439, 18.5564, 15.2650**, and the grayscale version is **13.3438, 14.0388, 15.2882**.

A 20% lighter version of the original color is **32.4516, 32.7682, 44.1497**, and **4.2232, 4.0701, 6.6939** is the 20% darker color. If you saturate the color by 10%, you get **11.6310, 11.0126, 19.6020**, and if you desaturate by 10%, it is **16.5278, 17.0715, 20.5134**.

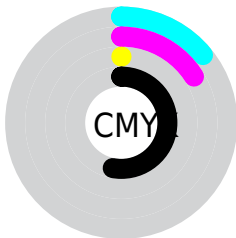
Distribution



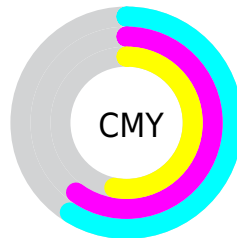
- Red (41%)
- Green (40%)
- Blue (47%)



- Red (41%)
- Yellow (40%)
- Blue (47%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (53%)



- Cyan (59%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9115, 13.8263, 20.0247 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 13.9115, 13.8263, 20.0247 by changing the saturation by 10% instead.

■ 13.9115, 13.8263,
20.0247

■ 13.9115, 13.8263,
20.0247

210.2012,
216.1475, 264.6575

■ 8.1404, 8.0000,
12.2287

■ 32.5195, 32.7805,
44.3181

■ 4.2375, 4.0949,
6.7752

■ 46.0871, 46.6772,
61.6526

■ 1.8374, 1.7268,
3.2456

■ 62.9843, 64.0327,
83.0038

■ 0.5400, 0.4409,
1.2214

■ 83.5764, 85.2315,
108.7901

■ 0.0000, 0.0000,
0.0000

108.2288,
110.6580, 139.4300

137.3069,

140.6966, 175.3422

171.1759,
175.7316, 216.9452

■ 13.9115, 13.8263,
20.0247

■ 13.9115, 13.8263,
20.0247

■ 11.6310, 11.0126,
19.6020

■ 16.5278, 17.0715,
20.5134

■ 9.6715, 8.6107,
19.2417

■ 19.4915, 20.7636,
21.0699

■ 8.0189, 6.6016,
18.9410

■ 22.8151, 24.9192,
21.6968

■ 6.6576, 4.9643,
18.6967

■ 26.5102, 29.5537,
22.3966

■ 5.5704, 3.6760,
18.5053

■ 30.5878, 34.6817,
23.1715

■ 4.7387, 2.7112,
18.3629

■ 35.0585, 40.3172,
24.0236

■ 4.1411, 2.0407,
18.2650

■ 39.9324, 46.4735,
24.9550

■ 3.7458, 1.6162,
18.2039

■ 45.2194, 53.1638,
25.9677

■ 3.6133, 1.4640,
18.1815

■ 50.9288, 60.4003,
27.0636

Harmonies

Analogous

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



13.0095, 13.8263, 20.6086



13.9115, 13.8263, 20.0247



14.6357, 13.8263, 18.0546

Triad

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



13.9115, 13.8263, 20.0247



14.1511, 13.8263, 11.2935



11.4769, 13.8263, 14.6785

Complementary

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



13.9115, 13.8263, 20.0247



16.8439, 18.5564, 15.2650

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.



11.7526, 13.8263, 12.4066



13.9115, 13.8263, 20.0247



13.2743, 13.8263, 10.6004

Square

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



13.9115, 13.8263, 20.0247



14.7784, 13.8263, 12.9929



12.4004, 13.8263, 10.9833



11.6302, 13.8263, 17.3233

Rectangle

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



13.9115, 13.8263, 20.0247



14.9058, 13.8263, 16.3276



12.4004, 13.8263, 10.9833



11.5222, 13.8263, 13.8493

Sweetspot

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



13.9119, 13.8269, 20.0250



29.8851, 30.9289, 36.7877



15.5399, 17.4231, 20.6333



6.7689, 6.9919, 8.3995



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.9119, 13.8269, 20.0250



23.3017, 22.7693, 35.5597



15.0647, 14.4211, 20.0790



3.8332, 3.9119, 4.9962



3.8666, 1.5661, 19.4838



18.0825, 7.2839, 92.9227

Inverse Universe

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



15.9668, 14.9002, 19.4879



27.7587, 25.0980, 34.3652



15.6168, 17.9238, 15.2076



4.1372, 4.0706, 4.9201



11.3639, 5.5217, 15.7393



54.0207, 26.2646, 74.0963

Previews

White Background



This preview shows how the XYZ color 13.9115, 13.8263, 20.0247 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 13.9115, 13.8263, 20.0247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

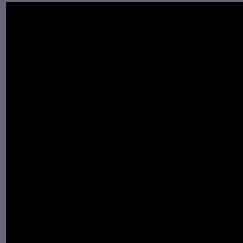
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9115, 13.8263, 20.0247

Background



This preview shows how black text looks on a background with the XYZ color 13.9115, 13.8263, 20.0247.



This preview shows how white text looks on a background with the XYZ color 13.9115, 13.8263,

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

13.9115, 13.8263, 20.0247

Protanopia

13.6186, 13.8150, 20.3611

Deuteranopia

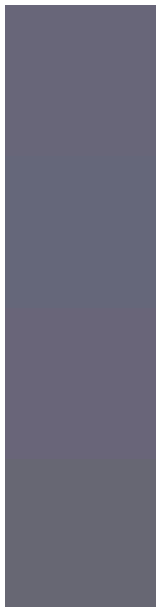
14.0487, 13.7520, 20.0031



Tritanopia

13.3544, 13.8953, 17.3074

Trichromacy



Original Color

13.9115, 13.8263, 20.0247

Protanomaly

13.7299, 13.8723, 20.3663

Deuteranomaly

13.9306, 13.6911, 19.9976

Tritanomaly

13.5383, 13.8219, 18.1740

Monochromacy



Original Color

13.9115, 13.8263, 20.0247

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.6453, 14.0516, 17.0320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9115, 13.8263, 20.0247 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(104, 102, 121)` looks like.

```
.text, #text, p{  
    color:rgb(104, 102, 121)  
}
```

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(104, 102, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 102, 121) }
```

Border

The CSS property to change the border of an element to XYZ 13.9115, 13.8263, 20.0247 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(104, 102, 121) }
```


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

```
.border{ border-color:rgb(104, 102, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 102, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 102, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 102, 121);  
box-shadow:4px 4px 4px 4px rgb(104, 102,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9115, 13.8263, 20.0247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 102, 121) }
```

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

```
.background{ background-color: rgb(104,  
102, 121) }
```

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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