

Converting Colors

XYZ(13.8625, 13.9989, 20.5140)

Have a look what the booklet for
XYZ(13.8625, 13.9989, 20.5140)
contains.

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Color

**XYZ(13.8426, 13.9304,
20.3716)**

Conversions

Conversions Part 1

Format	Color
Hex	66677A
RGB	102, 103, 122
RGB Percent	40%, 40%, 48%
CMY	0.6000, 0.5961, 0.5216
CMYK	0.16, 0.16, 0.00, 0.52
HSL	237°, 9%, 44%
HSV	237°, 16%, 48%
XYZ	13.8426, 13.9304, 20.3716
YIQ	104.8670, -6.6950, 5.6970

Conversions

Conversions Part 2

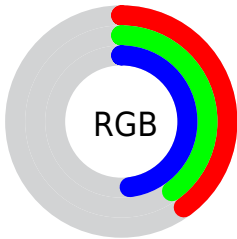
Format	Color
R_{YB}	102, 103, 122
Decimal	6711162
CIE _{Lab}	44.13, 3.87, -10.71
CIE _{LCh}	44, 11.390, 289.870
Yxy	13.9304, 0.2875, 0.2893
Android (android.graphics.Color)	4284901242 (0xFF66677A)
YUV	104.8670, 8.4466, -2.5144
Hunter-Lab	37.3235, 0.8864, -6.2348

Details

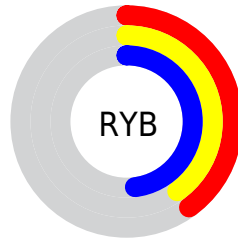
The XYZ color **13.8426, 13.9304, 20.3716** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2618, 18.7717, 15.2843**, and the grayscale version is **13.3708, 14.0671, 15.3191**.

A 20% lighter version of the original color is **32.3325, 32.9395, 44.6983**, and **4.1923, 4.1216, 6.8779** is the 20% darker color. If you saturate the color by 10%, you get **11.4865, 11.1218, 19.9539**, and if you desaturate by 10%, it is **16.5629, 17.1647, 20.8527**.

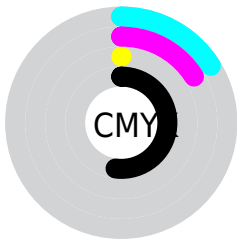
Distribution



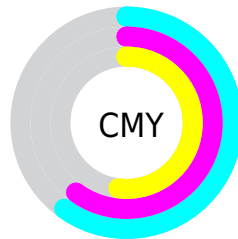
- Red (40%)
- Green (40%)
- Blue (48%)



- Red (40%)
- Yellow (40%)
- Blue (48%)



- Cyan (16%)
- Magenta (16%)
- Yellow (0%)
- Black (52%)



- Cyan (60%)
- Magenta (60%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8426, 13.9304, 20.3716 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 13.8426, 13.9304, 20.3716 by changing the saturation by 10% instead.

■ 13.8426, 13.9304,
20.3716

■ 13.8426, 13.9304,
20.3716

209.7797,
216.7974, 266.5902

■ 8.0922, 8.0723,
12.4787

■ 32.3981, 32.9655,
44.9065

■ 4.2063, 4.1412,
6.9441

■ 45.9339, 46.9112,
62.3855

■ 1.8195, 1.7529,
3.3492

■ 62.7956, 64.3216,
83.8970

■ 0.5294, 0.4575,
1.2756

■ 83.3486, 85.5811,
109.8595

■ 0.0000, 0.0000,
0.0417

107.9581,
111.0740, 140.6915

■ 0.0000, 0.0000,
0.0000

136.9895,

141.1848, 176.8116

170.8083,
176.2978, 218.6383

■ 13.8426, 13.9304,
20.3716

■ 13.8426, 13.9304,
20.3716

■ 11.4865, 11.1218,
19.9539

■ 16.5629, 17.1647,
20.8527

■ 9.4779, 8.7195,
19.5961

■ 19.6605, 20.8395,
21.3988

■ 7.8008, 6.7053,
19.2957

■ 23.1496, 24.9712,
22.0124

■ 6.4373, 5.0587,
19.0497

■ 27.0432, 29.5746,
22.6957

■ 5.3679, 3.7575,
18.8549

■ 31.3537, 34.6641,
23.4509

■ 4.5708, 2.7772,
18.7077

■ 36.0929, 40.2533,
24.2799

■ 4.0215, 2.0898,
18.6040

■ 41.2722, 46.3554,
25.1848

■ 3.6796, 1.6568,
18.5384

■ 46.9027, 52.9828,
26.1672

■ 3.5792, 1.5377,
18.5207

■ 52.9948, 60.1479,
27.2292

Harmonies

Analogous

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



12.9358, 13.9304, 20.6402



13.8426, 13.9304, 20.3716



14.6203, 13.9304, 18.6233

Triad

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



13.8426, 13.9304, 20.3716



14.3976, 13.9304, 11.6578



11.5954, 13.9304, 14.3055

Complementary

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



13.8426, 13.9304, 20.3716



17.2618, 18.7717, 15.2843

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.



11.9502, 13.9304, 12.1687



13.8426, 13.9304, 20.3716



13.5498, 13.9304, 10.7598

Square

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



13.8426, 13.9304, 20.3716



14.9508, 13.9304, 13.5314



12.6560, 13.9304, 10.9355



11.6658, 13.9304, 16.9311

Rectangle

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



13.8426, 13.9304, 20.3716



14.9478, 13.9304, 16.9541



12.6560, 13.9304, 10.9355



11.6683, 13.9304, 13.5117

Sweetspot

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



13.8430, 13.9310, 20.3719



29.7946, 30.9763, 36.8016



15.8701, 18.1164, 20.6428



6.7461, 7.0039, 8.4030



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.



13.8430, 13.9310, 20.3719



22.5826, 22.3989, 35.5261



14.7782, 14.2662, 20.3873



3.8122, 3.9228, 4.9994



3.7663, 1.6151, 19.4985



17.7814, 7.3354, 92.9485

Inverse Universe

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



15.2259, 14.6200, 14.8520



25.5430, 23.8842, 23.7074



16.2111, 18.4115, 15.2701



4.0057, 4.0180, 4.2276



8.4844, 4.3699, 0.5759



40.3784, 20.8077, 2.2566

Previews

White Background



This preview shows how the XYZ color 13.8426, 13.9304, 20.3716 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 13.8426, 13.9304, 20.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

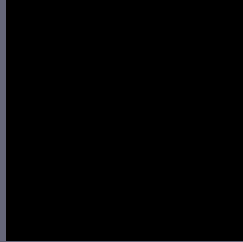
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8426, 13.9304, 20.3716

Background



This preview shows how black text looks on a background with the XYZ color 13.8426, 13.9304, 20.3716.



This preview shows how white text looks on a background with the XYZ color 13.8426, 13.9304,

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

13.8426, 13.9304, 20.3716

Protanopia

13.7299, 13.8723, 20.3663

Deuteranopia

14.2081, 13.9721, 20.3604



Tritanopia

13.2877, 14.0047, 17.6256

Trichromacy



Original Color

13.8426, 13.9304, 20.3716

Protanomaly

13.7299, 13.8723, 20.3663

Deuteranomaly

14.0899, 13.9111, 20.3549

Tritanomaly

13.4695, 13.9283, 18.5015

Monochromacy



Original Color

13.8426, 13.9304, 20.3716

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.5285, 13.9914, 17.0265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8426, 13.9304, 20.3716 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(102, 103, 122)` looks like.

```
.text, #text, p{  
    color:rgb(102, 103, 122)  
}
```

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(102, 103, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 103, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.8426, 13.9304, 20.3716 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(102, 103, 122) }
```


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

```
.border{ border-color:rgb(102, 103, 122) }
```

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

Here you see how a box with a 4 pixel rgb(102, 103, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 103, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 103, 122);  
box-shadow:4px 4px 4px 4px rgb(102, 103,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8426, 13.9304, 20.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 103, 122) }
```

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

```
.background{ background-color: rgb(102,  
103, 122) }
```

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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