

Converting Colors

XYZ(13.8841, 6.8079, 16.4467)

Have a look what the booklet for
XYZ(13.8841, 6.8079, 16.4467)
contains.

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Color

**XYZ(13.8525, 6.7904,
16.5002)**

Conversions

Conversions Part 1

Format	Color
Hex	8C0072
RGB	140, 0, 114
RGB Percent	55%, 0%, 45%
CMY	0.4510, 0.9999, 0.5529
CMYK	0.00, 1.00, 0.19, 0.45
HSL	311°, 100%, 27%
HSV	311°, 100%, 55%
XYZ	13.8525, 6.7904, 16.5002
YIQ	54.8560, 46.8460, 65.1340

Conversions

Conversions Part 2

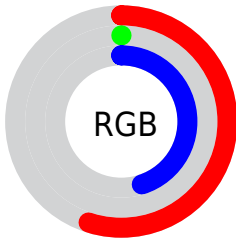
Format	Color
RYB	140, 0, 114
Decimal	9175154
CIELab	31.32, 59.14, -25.03
CIElCh	31, 64.221, 337.058
Yxy	6.7904, 0.3729, 0.1828
Android (android.graphics.Color)	4287365234 (0xFF8C0072)
YUV	54.8560, 29.1580, 74.6713
Hunter-Lab	26.0584, 49.2874, -19.3016

Details

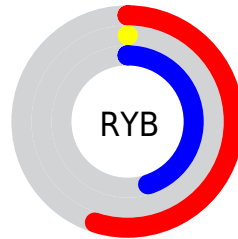
The XYZ color **13.8525, 6.7904, 16.5002** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.5650, 18.8310, 4.1089**, and the grayscale version is **3.5748, 3.7609, 4.0956**.

A 20% lighter version of the original color is **32.3577, 19.5210, 38.1389**, and **4.7297, 2.3246, 5.3537** is the 20% darker color. If you saturate the color by 10%, you get **13.8524, 6.7903, 16.4993**, and if you desaturate by 10%, it is **14.1600, 7.1650, 17.3434**.

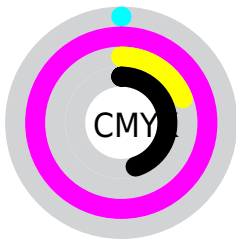
Distribution



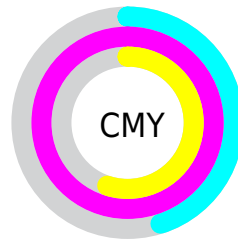
- Red (55%)
- Green (0%)
- Blue (45%)



- Red (55%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (45%)





- Cyan (45%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8525, 6.7904, 16.5002 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 13.8525, 6.7904, 16.5002 by changing the saturation by 10% instead.


 13.8525, 6.7904,
16.5002


 13.8525, 6.7904,
16.5002


209.8403,
165.9105, 244.2211


 8.0992, 3.3314,
9.7206


 32.4155, 19.5503,
38.2432


 4.2108, 1.3071,
5.1109


 45.9559, 29.6199,
54.0437


 1.8221, 0.1467,
2.2526

 62.8228, 42.6619,
73.6883

 0.5309, 0.0000,
0.7045


 83.3813, 59.0606,
97.5955

 0.0000, 0.0000,
0.0000

 107.9970, 79.2004,
126.1839

 137.0352,

103.4658, 159.8719

 170.8612,
132.2410, 199.0781

 13.8525, 6.7904,
16.5002

 13.8525, 6.7904,
16.5002


 13.8524, 6.7903,
16.4993

 14.1600, 7.1650,
17.3434

 14.5728, 7.7435,
18.2427

 15.1444, 8.6328,
19.2160

 15.8938, 9.8709,
20.2698

 16.8374, 11.4902,
21.4097

■ 17.9895, 13.5198,
22.6408

■ 19.3633, 15.9855,
23.9675

■ 20.9706, 18.9113,
25.3939

■ 22.8226, 22.3192,
26.9240

Harmonies

Analogous

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



10.8685, 6.7904, 31.9085



13.8525, 6.7904, 16.5002



14.5907, 6.7904, 5.4493

Triad

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



13.8525, 6.7904, 16.5002



5.7337, 6.7904, 0.0000



2.7093, 6.7904, 23.6929

Complementary

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



13.8525, 6.7904, 16.5002



9.5650, 18.8310, 4.1089

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.



2.0978, 6.7904, 9.7527



13.8525, 6.7904, 16.5002



3.4335, 6.7904, 0.1928

Square

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



13.8525, 6.7904, 16.5002



9.1338, 6.7904, 0.0000



2.3107, 6.7904, 2.4627



4.3576, 6.7904, 37.9387

Rectangle

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



13.8525, 6.7904, 16.5002



13.5470, 6.7904, 1.9561



2.3107, 6.7904, 2.4627



2.4052, 6.7904, 18.5175

Sweetspot

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



13.8527, 6.7908, 16.5003



33.9700, 27.8790, 42.0997



5.1517, 2.1092, 24.9467



7.6110, 6.0340, 9.4964



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.8527, 6.7908, 16.5003



24.3675, 11.9497, 28.8001



11.2766, 5.7603, 2.9345



5.1947, 5.1133, 6.1137



12.3151, 6.0361, 14.6954



0.0866, 0.0420, 0.1228

Inverse Universe

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



13.8527, 6.7908, 16.5003



24.3675, 11.9497, 28.8001



11.4746, 19.5949, 14.1648



5.1947, 5.1133, 6.1137



12.3151, 6.0361, 14.6954



0.0866, 0.0420, 0.1228

Previews

White Background



This preview shows how the XYZ color 13.8525, 6.7904, 16.5002 looks on a white background.

Color Contrast Check

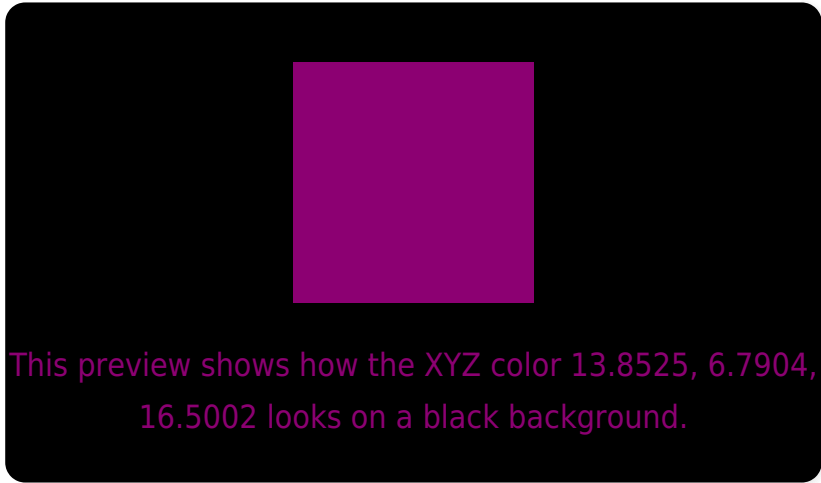
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 13.8525, 6.7904, 16.5002

Background



This preview shows how black text looks on a background with the XYZ color 13.8525, 6.7904, 16.5002.



This preview shows how white text looks on a background with the XYZ color 13.8525, 6.7904,

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

13.8525, 6.7904, 16.5002

Protanopia

8.6203, 7.3662, 33.3152

Deuteranopia

7.5530, 7.4237, 14.9448



Tritanopia

11.2830, 7.1503, 3.4748

Trichromacy



Original Color

13.8525, 6.7904, 16.5002



Protanomaly

7.2642, 4.6898, 26.1135



Deuteranomaly

8.4875, 5.6194, 15.3892



Tritanomaly

11.7300, 6.5679, 6.6107

Monochromacy



Original Color

13.8525, 6.7904, 16.5002



Achromatopsia

3.6313, 3.8204, 4.1605



Achromatomaly

5.7433, 3.7023, 7.2494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8525, 6.7904, 16.5002 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(140, 0, 114)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 114)  
}
```

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(140, 0, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 114) }
```

Border

The CSS property to change the border of an element to XYZ 13.8525, 6.7904, 16.5002 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(140, 0, 114) }
```


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

```
.border{ border-color:rgb(140, 0, 114) }
```

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

Here you see how a box with a 4 pixel rgb(140, 0, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(140, 0,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8525, 6.7904, 16.5002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 114) }
```

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

```
.background{ background-color: rgb(140, 0,  
114) }
```

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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