

Converting Colors

XYZ(16.0967, 13.0292, 21.9165)

Have a look what the booklet for
XYZ(16.0967, 13.0292, 21.9165)
contains.

XYZ(16.1384, 13.0500, 22.0904)	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(16.1384, 13.0500,
22.0904)**

Conversions

Conversions Part 1

Format	Color
Hex	7F5880
RGB	127, 88, 128
RGB Percent	50%, 35%, 50%
CMY	0.5020, 0.6549, 0.4980
CMYK	0.01, 0.31, 0.00, 0.50
HSL	299°, 19%, 42%
HSV	299°, 31%, 50%
XYZ	16.1384, 13.0500, 22.0904
YIQ	104.2210, 10.4040, 20.7080

Conversions

Conversions Part 2

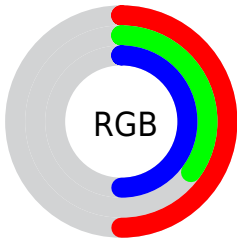
Format	Color
R_{YB}	127, 88, 128
Decimal	8345728
CIE _{Lab}	42.84, 23.26, -16.07
CIE _{LCh}	43, 28.271, 325.349
Yxy	13.0500, 0.3147, 0.2545
Android (android.graphics.Color)	4286535808 (0xFF7F5880)
YUV	104.2210, 11.7230, 19.9772
Hunter-Lab	36.1248, 16.5248, -10.9686

Details

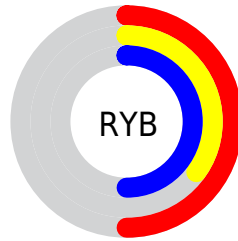
The XYZ color **16.1384, 13.0500, 22.0904** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.6009, 18.2671, 12.0423**, and the grayscale version is **13.1853, 13.8719, 15.1065**.

A 20% lighter version of the original color is **36.2514, 31.2165, 47.8308**, and **5.2648, 3.7282, 7.8393** is the 20% darker color. If you saturate the color by 10%, you get **15.1311, 11.1058, 21.7684**, and if you desaturate by 10%, it is **17.3312, 15.3644, 22.4744**.

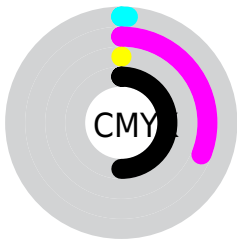
Distribution



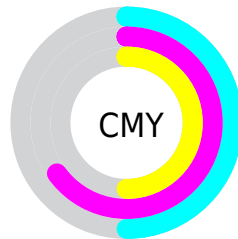
- Red (50%)
- Green (35%)
- Blue (50%)



- Red (50%)
- Yellow (35%)
- Blue (50%)



- Cyan (1%)
- Magenta (31%)
- Yellow (0%)
- Black (50%)



- Cyan (50%)
- Magenta (65%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1384, 13.0500, 22.0904 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 16.1384, 13.0500, 22.0904 by changing the saturation by 10% instead.

■ 16.1384, 13.0500,
22.0904

■ 16.1384, 13.0500,
22.0904

223.4114,
211.2379, 275.9869

■ 9.7136, 7.4630,
13.7244

■ 36.3938, 31.3936,
47.7995

■ 5.2703, 3.7533,
7.7927

■ 50.9552, 44.9189,
65.9796

■ 2.4431, 1.5365,
3.8767

■ 68.9594, 61.8592,
88.2682

■ 0.8666, 0.3142,
1.5580

■ 90.7719, 82.5988,
115.0838

■ 0.0000, 0.0000,
0.2605

■ 116.7579,
107.5220, 146.8449

■ 0.0000, 0.0000,
0.0000

147.2830,

137.0133, 183.9701

182.7123,
171.4572, 226.8779

■ 16.1384, 13.0500,
22.0904

■ 16.1384, 13.0500,
22.0904

■ 15.1311, 11.1058,
21.7684

■ 17.3312, 15.3644,
22.4744

■ 14.2984, 9.5109,
21.5044

■ 18.7171, 18.0652,
22.9227

■ 13.6302, 8.2447,
21.2953

■ 20.3050, 21.1697,
23.4383

■ 13.1149, 7.2839,
21.1370

■ 22.1028, 24.6937,
24.0237

■ 12.7391, 6.6021,
21.0252

■ 24.1178, 28.6520,
24.6815

■ 12.4876, 6.1686,
20.9548

■ 26.3572, 33.0588,
25.4141

■ 12.3248, 5.9035,
20.9122

■ 28.8278, 37.9277,
26.2237

■ 31.5359, 43.2716,
27.1124

■ 34.4880, 49.1030,
28.0824

Harmonies

Analogous

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



14.2656, 13.0500, 27.8758



16.1384, 13.0500, 22.0904



17.0143, 13.0500, 15.1944

Triad

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



16.1384, 13.0500, 22.0904



12.7430, 13.0500, 5.3531



9.0200, 13.0500, 19.9263

Complementary

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



16.1384, 13.0500, 22.0904



13.6009, 18.2671, 12.0423

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.



8.7116, 13.0500, 13.2676



16.1384, 13.0500, 22.0904



10.7111, 13.0500, 5.9503

Square

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



16.1384, 13.0500, 22.0904



14.9147, 13.0500, 6.5059



9.2947, 13.0500, 8.4685



10.1915, 13.0500, 26.3934

Rectangle

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



16.1384, 13.0500, 22.0904



16.8491, 13.0500, 11.2909



9.2947, 13.0500, 8.4685



8.8182, 13.0500, 17.5915

Sweetspot

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



16.1388, 13.0506, 22.0907



33.4953, 32.8632, 40.5341



11.5215, 10.8343, 21.9062



7.7639, 7.5412, 9.4647



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.1388, 13.0506, 22.0907



27.2076, 20.6455, 38.5073



15.1705, 12.6806, 16.2108



4.4879, 4.4071, 5.4274



12.2209, 5.8538, 20.7357



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.1954, 12.2905, 11.0760



23.2657, 19.1056, 16.0850



14.3805, 18.5679, 16.6447



4.3318, 4.3459, 4.5517



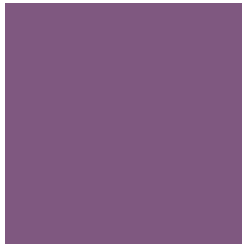
8.8445, 4.5575, 0.5050



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.1384, 13.0500, 22.0904 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



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 16.1384, 13.0500, 22.0904

Background



This preview shows how black text looks on a background with the XYZ color 16.1384, 13.0500, 22.0904.



This preview shows how white text looks on a background with the XYZ color 16.1384, 13.0500,

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

16.1384, 13.0500, 22.0904

Protanopia

13.3869, 13.1446, 25.4985

Deuteranopia

13.3733, 13.0827, 21.5590



Tritanopia

14.4317, 12.9792, 14.0565

Trichromacy



Original Color

16.1384, 13.0500, 22.0904

Protanomaly

14.1949, 13.0300, 24.3212

Deuteranomaly

14.2296, 12.9679, 21.8318

Tritanomaly

14.9225, 12.9150, 16.7453

Monochromacy



Original Color

16.1384, 13.0500, 22.0904

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.0304, 13.3724, 17.4644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1384, 13.0500, 22.0904 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(127, 88, 128)` looks like.

```
.text, #text, p{  
    color:rgb(127, 88, 128)  
}
```

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(127, 88, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 88, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.1384, 13.0500, 22.0904 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(127, 88, 128) }
```


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

```
.border{ border-color:rgb(127, 88, 128) }
```

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

Here you see how a box with a 4 pixel rgb(127, 88, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 88, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 88, 128);  
box-shadow:4px 4px 4px 4px rgb(127, 88,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1384, 13.0500, 22.0904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 88, 128) }
```

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

```
.background{ background-color: rgb(127, 88,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor