

Converting Colors

XYZ(22.7353, 16.4204, 18.6826)

Have a look what the booklet for
XYZ(22.7353, 16.4204, 18.6826)
contains.

XYZ(22.7675, 16.4256, 18.8001)	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(22.7675, 16.4256,
18.8001)**

Conversions

Conversions Part 1

Format	Color
Hex	A85775
RGB	168, 87, 117
RGB Percent	66%, 34%, 46%
CMY	0.3412, 0.6588, 0.5412
CMYK	0.00, 0.48, 0.30, 0.34
HSL	338°, 32%, 50%
HSV	338°, 48%, 66%
XYZ	22.7675, 16.4256, 18.8001
YIQ	114.6390, 38.6460, 26.5020

Conversions

Conversions Part 2

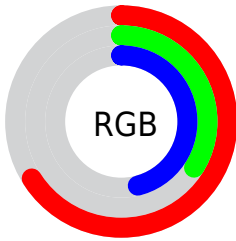
Format	Color
R_{YB}	168, 87, 117
Decimal	11032437
CIE _{Lab}	47.53, 36.70, -1.84
CIE _{LCh}	48, 36.743, 357.133
Yxy	16.4256, 0.3926, 0.2832
Android (android.graphics.Color)	4289222517 (0xFFA85775)
YUV	114.6390, 1.1640, 46.7976
Hunter-Lab	40.5285, 29.3502, 0.8669

Details

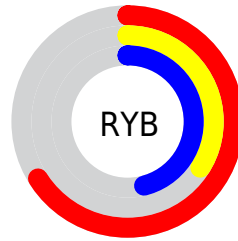
The XYZ color **22.7675, 16.4256, 18.8001** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **22.5213, 31.8668, 29.0104**, and the grayscale version is **16.1754, 17.0178, 18.5324**.

A 20% lighter version of the original color is **47.4454, 37.3374, 42.2423**, and **8.5458, 5.2635, 6.1958** is the 20% darker color. If you saturate the color by 10%, you get **20.9750, 13.7803, 15.3054**, and if you desaturate by 10%, it is **24.9478, 19.7337, 22.7712**.

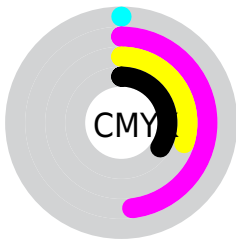
Distribution



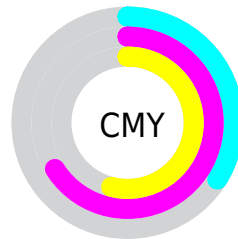
- Red (66%)
- Green (34%)
- Blue (46%)



- Red (66%)
- Yellow (34%)
- Blue (46%)



- Cyan (0%)
- Magenta (48%)
- Yellow (30%)
- Black (34%)



- Cyan (34%)
- Magenta (66%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7675, 16.4256, 18.8001 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 22.7675, 16.4256, 18.8001 by changing the saturation by 10% instead.

■ 22.7675, 16.4256,
18.8001

■ 22.7675, 16.4256,
18.8001

259.0863,
231.8402, 257.7288

■ 14.5417, 9.8258,
11.3506

■ 47.4808, 37.3355,
42.2282

■ 8.5826, 5.2836,
6.1860

■ 64.6989, 52.4144,
59.0439

■ 4.5248, 2.4146,
2.8879

■ 85.6452, 71.0885,
79.8187

■ 2.0031, 0.8334,
1.0377

■ 110.6850, 93.7421,
104.9712

■ 0.6357, 0.0000,
0.0000

■ 140.1836,
120.7597, 134.9200

■ 0.0000, 0.0000,
0.0000

174.5065,

152.5257, 170.0834

214.0189,
189.4243, 210.8802

■ 22.7675, 16.4256,
18.8001

■ 22.7675, 16.4256,
18.8001

■ 20.9750, 13.7803,
15.3054

■ 24.9478, 19.7337,
22.7712

■ 19.5442, 11.7498,
12.2665

■ 27.5368, 23.7433,
27.2361

■ 18.4480, 10.2836,
9.6624


■ 30.5555, 28.4930,
32.2124


■ 17.6545, 9.3220,
7.4695


■ 34.0232, 34.0179,
37.7168


■ 17.1096, 8.7615,
5.6561


■ 37.9578, 40.3508,
43.7646

 17.0239, 8.6750,
5.3659

 42.3763, 47.5225,
50.3710

 47.2947, 55.5625,
57.5503

 52.7285, 64.4985,
65.3163

 58.6923, 74.3572,
73.6823

Harmonies

Analogous

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



21.5079, 16.4256, 29.5384



22.7675, 16.4256, 18.8001



21.8995, 16.4256, 10.8680

Triad

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



22.7675, 16.4256, 18.8001



12.9177, 16.4256, 6.1729



12.4438, 16.4256, 37.6619

Complementary

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



22.7675, 16.4256, 18.8001



22.5213, 31.8668, 29.0104

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.



10.6604, 16.4256, 27.4129



22.7675, 16.4256, 18.8001



10.9060, 16.4256, 9.7873

Square

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



22.7675, 16.4256, 18.8001



15.9285, 16.4256, 5.2587



10.1389, 16.4256, 16.9995



15.2998, 16.4256, 42.5559

Rectangle

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



22.7675, 16.4256, 18.8001



20.2896, 16.4256, 7.6705



10.1389, 16.4256, 16.9995



11.7151, 16.4256, 34.5857

Sweetspot

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



22.7680, 16.4264, 18.8004



57.8366, 55.4978, 62.2879



20.7851, 14.9587, 38.8376



12.3293, 11.6566, 13.1338



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.7680, 16.4264, 18.8004



37.8157, 24.6496, 27.2717



22.0934, 17.4620, 11.2240



7.6417, 7.5865, 8.4304



12.8788, 6.5602, 4.1734



0.3381, 0.1695, 0.2318

Inverse Universe

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



22.7680, 16.4264, 18.8004



37.8157, 24.6496, 27.2717



23.3198, 29.4956, 41.5099



7.6417, 7.5865, 8.4304



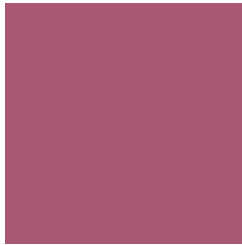
12.8788, 6.5602, 4.1734



0.3381, 0.1695, 0.2318

Previews

White Background



This preview shows how the XYZ color 22.7675, 16.4256, 18.8001 looks on a white background.

Color Contrast Check

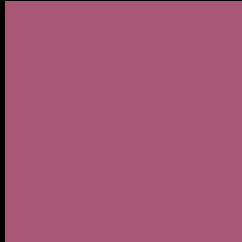
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7675, 16.4256, 18.8001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

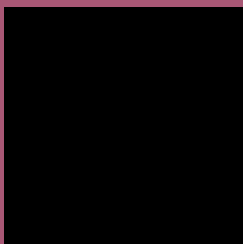
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.7675, 16.4256, 18.8001

Background



This preview shows how black text looks on a background with the XYZ color 22.7675, 16.4256, 18.8001.



This preview shows how white text looks on a background with the XYZ color 22.7675, 16.4256,

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

22.7675, 16.4256, 18.8001

Protanopia

16.3345, 16.5330, 24.5206

Deuteranopia

16.8687, 16.6292, 17.9435



Tritanopia

21.6246, 16.4522, 13.3451

Trichromacy



Original Color

22.7675, 16.4256, 18.8001

Protanomaly

17.8869, 15.9786, 22.2201

Deuteranomaly

18.6039, 16.2931, 18.0839

Tritanomaly

22.0912, 16.5273, 15.1225

Monochromacy



Original Color

22.7675, 16.4256, 18.8001

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.0355, 16.4324, 18.7442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7675, 16.4256, 18.8001 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(168, 87, 117)` looks like.

```
.text, #text, p{  
    color:rgb(168, 87, 117)  
}
```

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(168, 87, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 87, 117) }
```

Border

The CSS property to change the border of an element to XYZ 22.7675, 16.4256, 18.8001 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(168, 87, 117) }
```


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

```
.border{ border-color:rgb(168, 87, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 87, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 87, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 87, 117);  
box-shadow:4px 4px 4px 4px rgb(168, 87,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7675, 16.4256, 18.8001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 87, 117) }
```

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

```
.background{ background-color: rgb(168, 87,  
117) }
```

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