

Converting Colors

XYZ(22.6497, 16.1813, 49.5065)

Have a look what the booklet for
XYZ(22.6497, 16.1813, 49.5065)
contains.

XYZ(22.6497, 16.1813, 49.5065)	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(22.6497, 16.1813,
49.5065)**

Conversions

Conversions Part 1

Format	Color
Hex	865BBC
RGB	134, 91, 188
RGB Percent	53%, 36%, 74%
CMY	0.4745, 0.6431, 0.2627
CMYK	0.29, 0.52, 0.00, 0.26
HSL	267°, 42%, 55%
HSV	267°, 52%, 74%
XYZ	22.6497, 16.1813, 49.5065
YIQ	114.9150, -5.5090, 39.2830

Conversions

Conversions Part 2

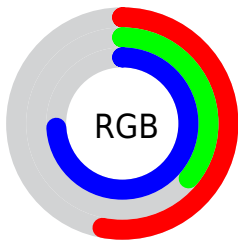
Format	Color
R_YB	134, 91, 188
Decimal	8805308
CIE _{Lab}	47.21, 37.52, -44.81
CIE _{LCh}	47, 58.444, 309.946
Yxy	16.1813, 0.2564, 0.1832
Android (android.graphics.Color)	4286995388 (0xFF865BBC)
YUV	114.9150, 36.0309, 16.7375
Hunter-Lab	40.2260, 30.1110, -44.8106

Details

The XYZ color **22.6497, 16.1813, 49.5065** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **31.5488, 42.7418, 16.4852**, and the grayscale version is **16.1660, 17.0079, 18.5216**.

A 20% lighter version of the original color is **47.3896, 36.8857, 91.0082**, and **8.5603, 5.1983, 23.1065** is the 20% darker color. If you saturate the color by 10%, you get **19.6530, 12.5424, 48.9624**, and if you desaturate by 10%, it is **26.2153, 20.7116, 50.1933**.

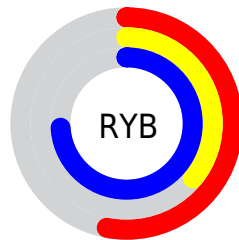
Distribution



Red (53%)

Green (36%)

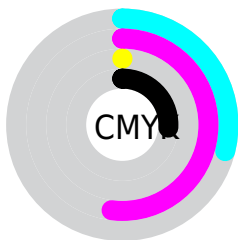
Blue (74%)



Red (53%)

Yellow (36%)

Blue (74%)

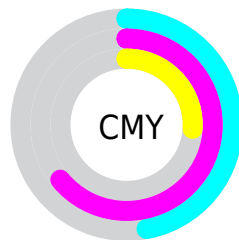


Cyan (29%)

Magenta (52%)

Yellow (0%)

Black (26%)



Cyan (47%)

Magenta (64%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6497, 16.1813, 49.5065 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 22.6497, 16.1813, 49.5065 by changing the saturation by 10% instead.

■ 22.6497, 16.1813,
49.5065

■ 22.6497, 16.1813,
49.5065

258.4897,
230.4092, 401.4125

■ 14.4543, 9.6525,
34.6530

■ 47.2884, 36.9127,
90.8320

■ 8.5211, 5.1692,
23.1143

■ 64.4624, 51.8841,
118.1411

■ 4.4848, 2.3469,
14.4718

■ 85.3601, 70.4384,
150.4392

■ 1.9799, 0.7984,
8.3071

■ 110.3467, 92.9602,
188.1447

■ 0.6226, 0.0000,
4.2015

139.7876,
119.8338, 231.6763

■ 0.0000, 0.0000,
1.7365

174.0481,

■ 0.0000, 0.0000,

151.4435, 281.4524

0.3856

213.4937,
188.1739, 337.8917

■ 0.0000, 0.0000,
0.0000

■ 22.6497, 16.1813,
49.5065

■ 22.6497, 16.1813,
49.5065

■ 19.6530, 12.5424,
48.9624

■ 26.2153, 20.7116,
50.1933

■ 17.1879, 9.7293,
48.5493

■ 30.3800, 26.1888,
51.0310

■ 15.2149, 7.6699,
48.2558

■ 35.1739, 32.6659,
52.0285

■ 13.6871, 6.2781,
48.0677

■ 40.6243, 40.1913,
53.1938

■ 12.6748, 5.4855,
47.9680

■ 46.7569, 48.8104,
54.5343

■ 53.5959, 58.5656,
56.0567

■ 61.1643, 69.4972,
57.7679

■ 69.4841, 81.6436,
59.6738

■ 76.8938, 91.6767,
61.2199

Harmonies

Analogous

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



17.1534, 16.1813, 62.8793



22.6497, 16.1813, 49.5065



26.6759, 16.1813, 29.2348

Triad

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



22.6497, 16.1813, 49.5065



19.0293, 16.1813, 2.1533



7.5462, 16.1813, 22.9818

Complementary

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



22.6497, 16.1813, 49.5065



31.5488, 42.7418, 16.4852

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.



7.8304, 16.1813, 9.5770



22.6497, 16.1813, 49.5065



13.7330, 16.1813, 1.8504

Square

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



22.6497, 16.1813, 49.5065



24.2835, 16.1813, 4.9667



9.8603, 16.1813, 3.5980



8.9717, 16.1813, 42.8027

Rectangle

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



22.6497, 16.1813, 49.5065



27.5515, 16.1813, 17.6453



9.8603, 16.1813, 3.5980



7.4540, 16.1813, 17.5921

Sweetspot

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



22.6503, 16.1819, 49.5069



69.8780, 67.6358, 95.5982



23.6657, 26.4030, 51.4262



14.5775, 13.9238, 20.4618



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.6503, 16.1819, 49.5069



34.9263, 21.9187, 88.6161



31.9999, 21.0018, 49.9444



9.4071, 9.4268, 11.9959



8.7123, 3.7774, 32.6628



0.4165, 0.1868, 1.2830

Inverse Universe

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



29.5912, 20.2183, 29.1309



49.4902, 30.4044, 45.1252



24.8516, 39.2892, 16.1717



9.7465, 9.6229, 11.0540



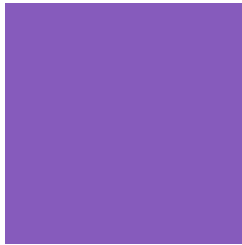
15.8822, 7.9840, 9.9392



0.6545, 0.3257, 0.5601

Previews

White Background



This preview shows how the XYZ color 22.6497, 16.1813, 49.5065 looks on a white background.

Color Contrast Check

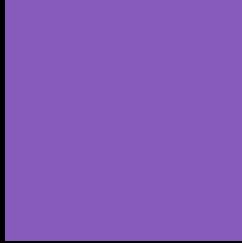
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6497, 16.1813, 49.5065 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 22.6497, 16.1813, 49.5065

Background



This preview shows how black text looks on a background with the XYZ color 22.6497, 16.1813, 49.5065.



This preview shows how white text looks on a background with the XYZ color 22.6497, 16.1813,

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

22.6497, 16.1813, 49.5065

Protanopia

18.6024, 16.4350, 59.9494

Deuteranopia

16.7671, 16.4224, 47.0859



Tritanopia

16.5647, 16.2866, 19.1002

Trichromacy



Original Color

22.6497, 16.1813, 49.5065

Protanomaly

19.1800, 15.7501, 56.0620

Deuteranomaly

18.1229, 15.8301, 47.9993

Tritanomaly

18.3135, 15.9215, 28.0945

Monochromacy



Original Color

22.6497, 16.1813, 49.5065

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

18.0626, 16.3986, 27.8044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6497, 16.1813, 49.5065 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(134, 91, 188)` looks like.

```
.text, #text, p{  
    color:rgb(134, 91, 188)  
}
```

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(134, 91, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 91, 188) }
```

Border

The CSS property to change the border of an element to XYZ 22.6497, 16.1813, 49.5065 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(134, 91, 188) }
```


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

```
.border{ border-color:rgb(134, 91, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 91, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 91, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 91, 188);  
box-shadow:4px 4px 4px 4px rgb(134, 91,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6497, 16.1813, 49.5065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 91, 188) }
```

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

```
.background{ background-color: rgb(134, 91,  
188) }
```

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