

Converting Colors

XYZ(21.9912, 18.5456, 36.0362)

Have a look what the booklet for
XYZ(21.9912, 18.5456, 36.0362)
contains.

XYZ(21.9489, 18.5326, 36.1385)	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(21.9489, 18.5326,
36.1385)**

Conversions

Conversions Part 1

Format	Color
Hex	886CA1
RGB	136, 108, 161
RGB Percent	53%, 42%, 63%
CMY	0.4667, 0.5765, 0.3686
CMYK	0.16, 0.33, 0.00, 0.37
HSL	272°, 22%, 53%
HSV	272°, 33%, 63%
XYZ	21.9489, 18.5326, 36.1385
YIQ	122.4140, -0.3250, 22.4190

Conversions

Conversions Part 2

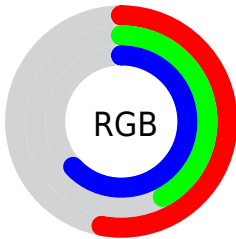
Format	Color
R_{YB}	136, 108, 161
Decimal	8940705
CIE _{Lab}	50.14, 21.69, -24.45
CIE _{LCh}	50, 32.681, 311.580
Yxy	18.5326, 0.2865, 0.2419
Android (android.graphics.Color)	4287130785 (0xFF886CA1)
YUV	122.4140, 19.0229, 11.9149
Hunter-Lab	43.0495, 15.6720, -19.6372

Details

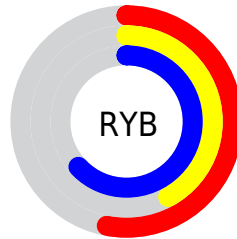
The XYZ color **21.9489, 18.5326, 36.1385** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.1252, 31.5595, 18.9556**, and the grayscale version is **18.5743, 19.5416, 21.2809**.

A 20% lighter version of the original color is **46.2007, 41.0466, 70.4535**, and **8.1225, 6.2671, 15.2496** is the 20% darker color. If you saturate the color by 10%, you get **19.2152, 14.8315, 35.5685**, and if you desaturate by 10%, it is **25.0848, 22.9074, 36.8179**.

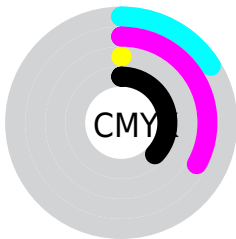
Distribution



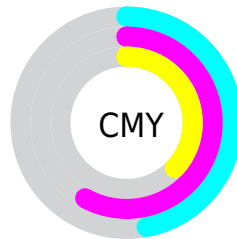
- Red (53%)
- Green (42%)
- Blue (63%)



- Red (53%)
- Yellow (42%)
- Blue (63%)



- Cyan (16%)
- Magenta (33%)
- Yellow (0%)
- Black (37%)



- Cyan (47%)
- Magenta (58%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9489, 18.5326, 36.1385 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 21.9489, 18.5326, 36.1385 by changing the saturation by 10% instead.

■ 21.9489, 18.5326,
36.1385

■ 21.9489, 18.5326,
36.1385

254.9167,
243.8562, 344.6212

■ 13.9357, 11.3330,
24.2506

■ 46.1410, 40.9428,
70.4172

■ 8.1574, 6.2913,
15.3057

■ 63.0507, 56.9222,
93.6452

■ 4.2485, 3.0230,
8.8852

■ 83.6566, 76.5970,
121.4903

■ 1.8436, 1.1438,
4.5706

■ 108.3240,
100.3517, 154.3710

■ 0.5438, 0.0150,
1.9433

137.4184,
128.5705, 192.7059

■ 0.0000, 0.0000,
0.5201

171.3051,

■ 0.0000, 0.0000,

161.6379, 236.9135

0.0000

210.3494,
199.9384, 287.4125

■ 21.9489, 18.5326,
36.1385

■ 21.9489, 18.5326,
36.1385

■ 19.2152, 14.8315,
35.5685

■ 25.0848, 22.9074,
36.8179

■ 16.8628, 11.7664,
35.1009

■ 28.6387, 27.9864,
37.6110

■ 14.8715, 9.2991,
34.7296


■ 32.6279, 33.8010,
38.5231


■ 13.2182, 7.3863,
34.4475

■ 37.0680, 40.3801,
39.5589


■ 11.8767, 5.9786,
34.2465


■ 41.9738, 47.7508,
40.7231


 10.8162, 5.0174,
34.1169

 47.3593, 55.9390,
42.0197

 10.1844, 4.5071,
34.0517

 53.2380, 64.9694,
43.4529

 59.6229, 74.8655,
45.0265

 66.5264, 85.6502,
46.7443

Harmonies

Analogous

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



18.8590, 18.5326, 42.3946



21.9489, 18.5326, 36.1385



24.0103, 18.5326, 26.1726

Triad

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



21.9489, 18.5326, 36.1385



19.5991, 18.5326, 7.7881



12.3214, 18.5326, 23.8658

Complementary

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



21.9489, 18.5326, 36.1385



25.1252, 31.5595, 18.9556

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.



12.4694, 18.5326, 15.1780



21.9489, 18.5326, 36.1385



16.4264, 18.5326, 7.5075

Square

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



21.9489, 18.5326, 36.1385



22.5461, 18.5326, 10.7156



13.8923, 18.5326, 9.7841



13.4605, 18.5326, 34.0225

Rectangle

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



21.9489, 18.5326, 36.1385



24.3910, 18.5326, 19.7043



13.8923, 18.5326, 9.7841



12.2263, 18.5326, 20.6610

Sweetspot

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



21.9495, 18.5334, 36.1389



53.1609, 52.8306, 67.7820



21.0903, 22.7065, 36.9897



11.4597, 11.2976, 14.8203



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.9495, 18.5334, 36.1389



35.4142, 27.8991, 63.9051



26.4164, 20.8451, 35.9427



7.0409, 7.0354, 8.8900



8.1813, 3.6241, 27.1981



0.2260, 0.1040, 0.5740

Inverse Universe

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



24.2948, 19.9964, 24.7704



40.4985, 31.0673, 39.4182



21.6839, 29.7800, 19.0412



7.2063, 7.1390, 8.0730



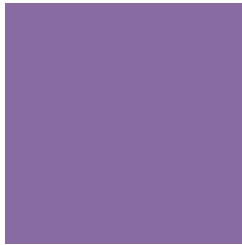
12.7995, 6.4758, 6.1347



0.2928, 0.1456, 0.2545

Previews

White Background



This preview shows how the XYZ color 21.9489, 18.5326, 36.1385 looks on a white 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

Black Background



This preview shows how the XYZ color 21.9489, 18.5326, 36.1385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

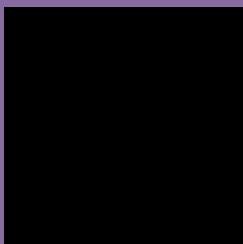
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9489, 18.5326, 36.1385

Background



This preview shows how black text looks on a background with the XYZ color 21.9489, 18.5326, 36.1385.



This preview shows how white text looks on a background with the XYZ color 21.9489, 18.5326,

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

21.9489, 18.5326, 36.1385

Protanopia

19.3488, 18.7645, 40.1382

Deuteranopia

19.0431, 18.7113, 35.4088



Tritanopia

18.9747, 18.4625, 21.6323

Trichromacy



Original Color

21.9489, 18.5326, 36.1385

Protanomaly

20.1027, 18.5008, 38.5879

Deuteranomaly

19.9702, 18.4946, 35.7750

Tritanomaly

19.8252, 18.3000, 26.1543

Monochromacy



Original Color

21.9489, 18.5326, 36.1385

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.5576, 19.0122, 25.9315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9489, 18.5326, 36.1385 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(136, 108, 161)` looks like.

```
.text, #text, p{  
    color:rgb(136, 108, 161)  
}
```

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(136, 108, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 108, 161) }
```

Border

The CSS property to change the border of an element to XYZ 21.9489, 18.5326, 36.1385 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(136, 108, 161) }
```


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

```
.border{ border-color:rgb(136, 108, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 108, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 108, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 108, 161);  
box-shadow:4px 4px 4px 4px rgb(136, 108,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9489, 18.5326, 36.1385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 108, 161) }
```

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

```
.background{ background-color: rgb(136,  
108, 161) }
```

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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