

Converting Colors

XYZ(21.4876, 17.1860, 33.1165)

Have a look what the booklet for
XYZ(21.4876, 17.1860, 33.1165)
contains.

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Color

**XYZ(21.4581, 17.1436,
33.1884)**

Conversions

Conversions Part 1

Format	Color
Hex	8D649B
RGB	141, 100, 155
RGB Percent	55%, 39%, 61%
CMY	0.4471, 0.6078, 0.3922
CMYK	0.09, 0.35, 0.00, 0.39
HSL	285°, 22%, 50%
HSV	285°, 35%, 61%
XYZ	21.4581, 17.1436, 33.1884
YIQ	118.5290, 6.7810, 25.7970

Conversions

Conversions Part 2

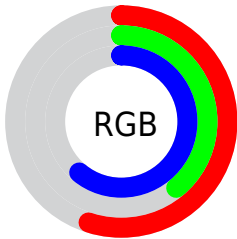
Format	Color
R _Y B	141, 100, 155
Decimal	9266331
CIE Lab	48.44, 26.69, -23.49
CIE LCh	48, 35.559, 318.647
Yxy	17.1436, 0.2989, 0.2388
Android (android.graphics.Color)	4287456411 (0xFF8D649B)
YUV	118.5290, 17.9802, 19.7071
Hunter-Lab	41.4048, 20.0494, -18.5410

Details

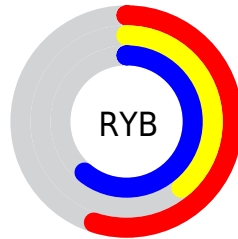
The XYZ color **21.4581, 17.1436, 33.1884** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.9615, 27.9405, 16.3456**, and the grayscale version is **17.3301, 18.2326, 19.8553**.

A 20% lighter version of the original color is **45.2051, 38.3885, 65.9999**, and **7.9431, 5.6291, 13.7646** is the 20% darker color. If you saturate the color by 10%, you get **19.4517, 14.1087, 32.7086**, and if you desaturate by 10%, it is **23.7724, 20.7580, 33.7643**.

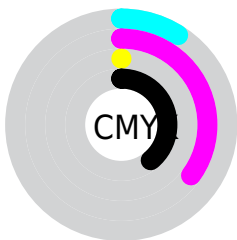
Distribution



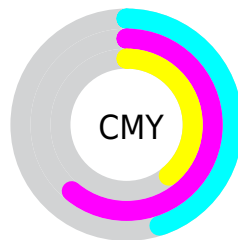
- Red (55%)
- Green (39%)
- Blue (61%)



- Red (55%)
- Yellow (39%)
- Blue (61%)



- Cyan (9%)
- Magenta (35%)
- Yellow (0%)
- Black (39%)



- Cyan (45%)
- Magenta (61%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4581, 17.1436, 33.1884 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 21.4581, 17.1436, 33.1884 by changing the saturation by 10% instead.

■ 21.4581, 17.1436,
33.1884

■ 21.4581, 17.1436,
33.1884

252.3890,
235.9985, 331.1558

■ 13.5736, 10.3369,
21.9985

■ 45.3343, 38.5725,
65.7890

■ 7.9044, 5.6229,
13.6575

■ 62.0567, 53.9635,
88.0367

■ 4.0851, 2.6172,
7.7468

■ 82.4558, 72.9848,
114.8075

■ 1.7504, 0.9353,
3.8479

■ 106.8969, 96.0207,
146.5198

■ 0.4875, 0.0000,
1.5423

135.7454,
123.4556, 183.5923

■ 0.0000, 0.0000,
0.2491

169.3667,

■ 0.0000, 0.0000,

155.6740, 226.4434

0.0000

208.1261,
193.0602, 275.4918

■ 21.4581, 17.1436,
33.1884

■ 21.4581, 17.1436,
33.1884

■ 19.4517, 14.1087,
32.7086

■ 23.7724, 20.7580,
33.7643

■ 17.7351, 11.6187,
32.3185

■ 26.4079, 24.9794,
34.4402

■ 16.2910, 9.6390,
32.0125

■ 29.3793, 29.8363,
35.2211

■ 15.0993, 8.1295,
31.7839

■ 32.6996, 35.3546,
36.1112

■ 14.1368, 7.0446,
31.6252

■ 36.3814, 41.5588,
37.1147

■ 13.3730, 6.3234,
31.5263

■ 40.4363, 48.4723,
38.2354

■ 13.0589, 6.0486,
31.4898

■ 44.8757, 56.1170,
39.4771

■ 49.7103, 64.5143,
40.8431

■ 54.9504, 73.6843,
42.3369

Harmonies

Analogous

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



18.3785, 17.1436, 41.3188



21.4581, 17.1436, 33.1884



23.2325, 17.1436, 22.4215

Triad

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



21.4581, 17.1436, 33.1884



17.5577, 17.1436, 6.0316



11.0551, 17.1436, 25.0036

Complementary

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



21.4581, 17.1436, 33.1884



20.9615, 27.9405, 16.3456

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.



10.8967, 17.1436, 15.3560



21.4581, 17.1436, 33.1884



14.3743, 17.1436, 6.3138

Square

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



21.4581, 17.1436, 33.1884



20.7888, 17.1436, 8.1860



12.0338, 17.1436, 9.1525



12.4996, 17.1436, 35.6115

Rectangle

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



21.4581, 17.1436, 33.1884



23.2976, 17.1436, 16.0993



12.0338, 17.1436, 9.1525



10.8575, 17.1436, 21.4929

Sweetspot

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



21.4587, 17.1443, 33.1888



49.4895, 48.3053, 62.2518



17.2653, 17.2621, 33.4325



11.0537, 10.6924, 14.0516



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.4587, 17.1443, 33.1888



35.3899, 26.0918, 58.7073



22.9702, 18.0415, 27.9290



6.3077, 6.2445, 7.8018



10.5252, 4.8770, 25.2943



0.1900, 0.0898, 0.3797

Inverse Universe

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



21.1125, 17.2984, 18.1463



34.8259, 26.5045, 26.9004



19.9487, 27.3409, 19.8002



6.2701, 6.2472, 6.8025



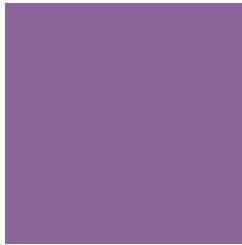
11.1712, 5.7227, 2.1608



0.1801, 0.0908, 0.1012

Previews

White Background



This preview shows how the XYZ color 21.4581, 17.1436, 33.1884 looks on a white background.

Color Contrast Check

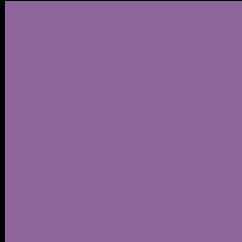
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4581, 17.1436, 33.1884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

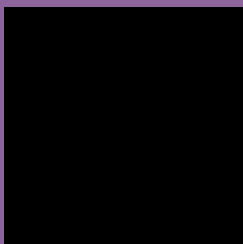
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4581, 17.1436, 33.1884

Background



This preview shows how black text looks on a background with the XYZ color 21.4581, 17.1436, 33.1884.



This preview shows how white text looks on a background with the XYZ color 21.4581, 17.1436,

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

21.4581, 17.1436, 33.1884

Protanopia

18.0458, 17.4405, 38.4916

Deuteranopia

17.5165, 17.1414, 32.0912



Tritanopia

18.5066, 17.1370, 18.8554

Trichromacy



Original Color

21.4581, 17.1436, 33.1884

Protanomaly

18.9297, 17.1233, 36.4898

Deuteranomaly

18.7201, 16.9470, 32.4214

Tritanomaly

19.3974, 17.0332, 23.3845

Monochromacy



Original Color

21.4581, 17.1436, 33.1884

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.7114, 17.7663, 24.2728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4581, 17.1436, 33.1884 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(141, 100, 155)` looks like.

```
.text, #text, p{  
    color:rgb(141, 100, 155)  
}
```

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(141, 100, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 100, 155) }
```

Border

The CSS property to change the border of an element to XYZ 21.4581, 17.1436, 33.1884 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(141, 100, 155) }
```


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

```
.border{ border-color:rgb(141, 100, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 100, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 100, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 100, 155);  
box-shadow:4px 4px 4px 4px rgb(141, 100,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4581, 17.1436, 33.1884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 100, 155) }
```

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

```
.background{ background-color: rgb(141,  
100, 155) }
```

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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