

Converting Colors

XYZ(21.7026, 16.8855, 36.1248)

Have a look what the booklet for
XYZ(21.7026, 16.8855, 36.1248)
contains.

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Color

**XYZ(21.7045, 16.9194,
36.3042)**

Conversions

Conversions Part 1

Format	Color
Hex	8C62A2
RGB	140, 98, 162
RGB Percent	55%, 38%, 64%
CMY	0.4510, 0.6157, 0.3647
CMYK	0.14, 0.40, 0.00, 0.36
HSL	279°, 26%, 51%
HSV	279°, 40%, 64%
XYZ	21.7045, 16.9194, 36.3042
YIQ	117.8540, 4.4880, 28.8080

Conversions

Conversions Part 2

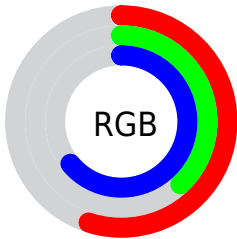
Format	Color
RYB	140, 98, 162
Decimal	9200290
CIELab	48.16, 29.07, -28.07
CIELCh	48, 40.408, 316.006
Yxy	16.9194, 0.2897, 0.2258
Android (android.graphics.Color)	4287390370 (0xFF8C62A2)
YUV	117.8540, 21.7640, 19.4220
Hunter-Lab	41.1332, 22.2049, -23.5362

Details

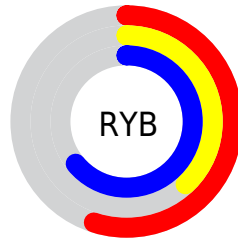
The XYZ color **21.7045, 16.9194, 36.3042** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.8710, 30.7159, 16.2792**, and the grayscale version is **17.1078, 17.9988, 19.6007**.

A 20% lighter version of the original color is **45.7775, 38.1067, 70.5882**, and **7.9796, 5.4817, 15.3894** is the 20% darker color. If you saturate the color by 10%, you get **19.4248, 13.7175, 35.8066**, and if you desaturate by 10%, it is **24.3397, 20.7607, 36.9070**.

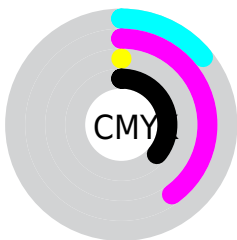
Distribution



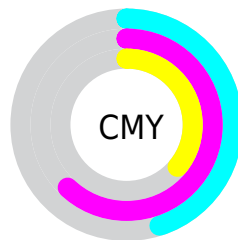
- Red (55%)
- Green (38%)
- Blue (64%)



- Red (55%)
- Yellow (38%)
- Blue (64%)



- Cyan (14%)
- Magenta (40%)
- Yellow (0%)
- Black (36%)



- Cyan (45%)
- Magenta (62%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7045, 16.9194, 36.3042 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 21.7045, 16.9194, 36.3042 by changing the saturation by 10% instead.

■ 21.7045, 16.9194,
36.3042

■ 21.7045, 16.9194,
36.3042

253.6607,
234.7075, 345.3657

■ 13.7553, 10.1770,
24.3777

■ 45.7396, 38.1871,
70.6757

■ 8.0312, 5.5165,
15.3992

■ 62.5563, 53.4813,
93.9577

■ 4.1669, 2.5534,
8.9503

■ 83.0594, 72.3949,
121.8619

■ 1.7970, 0.9033,
4.6124

■ 107.6145, 95.3123,
154.8070

■ 0.5159, 0.0000,
1.9670

136.5868,
122.6178, 193.2113

■ 0.0000, 0.0000,
0.5349

170.3417,

■ 0.0000, 0.0000,

154.6959, 237.4935

0.0000

209.2445,
191.9310, 288.0722

■ 21.7045, 16.9194,
36.3042

■ 21.7045, 16.9194,
36.3042

■ 19.4248, 13.7175,
35.8066

■ 24.3397, 20.7607,
36.9070

■ 17.4794, 11.1153,
35.4069

■ 27.3463, 25.2739,
37.6197

■ 15.8476, 9.0719,
35.0984

■ 30.7413, 30.4915,
38.4478


■ 14.5054, 7.5401,
34.8735

■ 34.5403, 36.4434,
39.3965


■ 13.4244, 6.4648,
34.7229


■ 38.7577, 43.1578,
40.4702


 12.5446, 5.7265,
34.6268

 43.4074, 50.6613,
41.6734

 12.5029, 5.6921,
34.6224

 48.5024, 58.9792,
43.0104

 54.0553, 68.1357,
44.4851

 60.0781, 78.1540,
46.1014

Harmonies

Analogous

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



18.1045, 16.9194, 45.4403



21.7045, 16.9194, 36.3042



23.9371, 16.9194, 23.7485

Triad

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



21.7045, 16.9194, 36.3042



17.8471, 16.9194, 4.9560



10.2125, 16.9194, 24.5685

Complementary

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



21.7045, 16.9194, 36.3042



22.8710, 30.7159, 16.2792

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.



10.1652, 16.9194, 13.9587



21.7045, 16.9194, 36.3042



14.2149, 16.9194, 5.0328

Square

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



21.7045, 16.9194, 36.3042



21.4915, 16.9194, 7.3809



11.5244, 16.9194, 7.6566



11.6651, 16.9194, 37.0975

Rectangle

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



21.7045, 16.9194, 36.3042



24.1601, 16.9194, 16.3898



11.5244, 16.9194, 7.6566



10.0401, 16.9194, 20.6164

Sweetspot

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



21.7051, 16.9201, 36.3046



54.0583, 52.6451, 69.3685



18.3238, 18.7353, 36.8331



11.9688, 11.5579, 15.5376



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.7051, 16.9201, 36.3046



35.8886, 25.7635, 65.1374



24.9687, 18.6974, 32.1711



7.1268, 7.0797, 8.8940



9.8975, 4.5088, 27.2784



0.2556, 0.1193, 0.5754

Inverse Universe

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



22.6586, 17.7734, 20.0060



38.0810, 27.6588, 30.6761



20.6433, 29.5119, 18.6850



7.1696, 7.1243, 7.8795



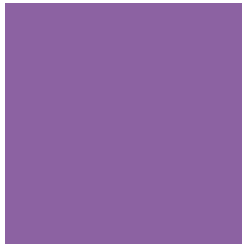
12.3137, 6.2816, 3.5768



0.2803, 0.1406, 0.1886

Previews

White Background



This preview shows how the XYZ color 21.7045, 16.9194, 36.3042 looks on a white background.

Color Contrast Check

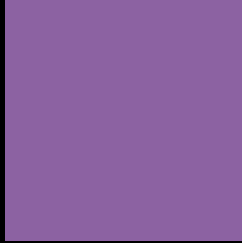
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7045, 16.9194, 36.3042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

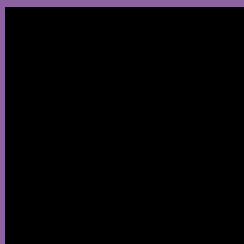
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7045, 16.9194, 36.3042

Background



This preview shows how black text looks on a background with the XYZ color 21.7045, 16.9194, 36.3042.



This preview shows how white text looks on a background with the XYZ color 21.7045, 16.9194,

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

21.7045, 16.9194, 36.3042

Protanopia

18.0593, 17.1934, 42.4112

Deuteranopia

17.4187, 17.0228, 35.1686



Tritanopia

18.1878, 16.9726, 18.8404

Trichromacy



Original Color

21.7045, 16.9194, 36.3042

Protanomaly

19.0487, 16.9424, 40.2964

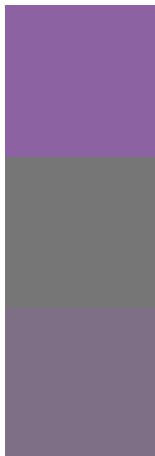
Deuteranomaly

18.7780, 16.9080, 35.5316

Tritanomaly

19.3373, 16.8283, 24.4193

Monochromacy



Original Color

21.7045, 16.9194, 36.3042

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.5917, 17.5257, 24.9572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7045, 16.9194, 36.3042 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(140, 98, 162)` looks like.

```
.text, #text, p{  
    color:rgb(140, 98, 162)  
}
```

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(140, 98, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 98, 162) }
```

Border

The CSS property to change the border of an element to XYZ 21.7045, 16.9194, 36.3042 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(140, 98, 162) }
```


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

```
.border{ border-color:rgb(140, 98, 162) }
```

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

Here you see how a box with a 4 pixel rgb(140, 98, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 98, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 98, 162);  
box-shadow:4px 4px 4px 4px rgb(140, 98,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7045, 16.9194, 36.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 98, 162) }
```

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

```
.background{ background-color: rgb(140, 98,  
162) }
```

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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