

Converting Colors

XYZ(21.3687, 16.6358, 36.2678)

Have a look what the booklet for
XYZ(21.3687, 16.6358, 36.2678)
contains.

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Color

**XYZ(21.2775, 16.5613,
36.2576)**

Conversions

Conversions Part 1

Format	Color
Hex	8A61A2
RGB	138, 97, 162
RGB Percent	54%, 38%, 64%
CMY	0.4588, 0.6196, 0.3647
CMYK	0.15, 0.40, 0.00, 0.36
HSL	278°, 26%, 51%
HSV	278°, 40%, 64%
XYZ	21.2775, 16.5613, 36.2576
YIQ	116.6690, 3.5710, 28.9070

Conversions

Conversions Part 2

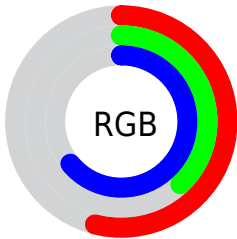
Format	Color
R_{YB}	138, 97, 162
Decimal	9068962
CIE _{Lab}	47.70, 29.02, -28.79
CIE _{LCh}	48, 40.879, 315.222
Yxy	16.5613, 0.2872, 0.2235
Android (android.graphics.Color)	4287259042 (0xFF8A61A2)
YUV	116.6690, 22.3482, 18.7073
Hunter-Lab	40.6956, 22.1107, -24.3373

Details

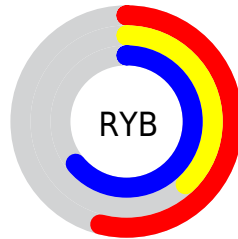
The XYZ color **21.2775, 16.5613, 36.2576** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.9637, 30.7691, 16.0387**, and the grayscale version is **16.7391, 17.6109, 19.1783**.

A 20% lighter version of the original color is **44.8525, 37.3960, 70.4998**, and **7.8433, 5.3487, 15.3709** is the 20% darker color. If you saturate the color by 10%, you get **18.9683, 13.3714, 35.7639**, and if you desaturate by 10%, it is **23.9481, 20.3920, 36.8565**.

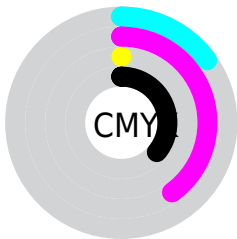
Distribution



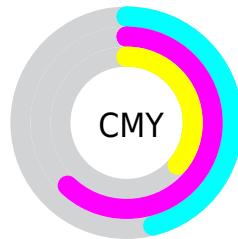
- Red (54%)
- Green (38%)
- Blue (64%)



- Red (54%)
- Yellow (38%)
- Blue (64%)



- Cyan (15%)
- Magenta (40%)
- Yellow (0%)
- Black (36%)



- Cyan (46%)
- Magenta (62%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2775, 16.5613, 36.2576 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 21.2775, 16.5613, 36.2576 by changing the saturation by 10% instead.

■ 21.2775, 16.5613,
36.2576

■ 21.2775, 16.5613,
36.2576

251.4535,
232.6314, 345.1565

■ 13.4406, 9.9222,
24.3419

■ 45.0367, 37.5699,
70.6030

■ 7.8117, 5.3474,
15.3729

■ 61.6898, 52.7083,
93.8698

■ 4.0255, 2.4525,
8.9320

■ 82.0122, 71.4485,
121.7574

■ 1.7166, 0.8527,
4.6007

■ 106.3695, 94.1750,
154.6844

■ 0.4666, 0.0000,
1.9603

135.1269,
121.2721, 193.0692

■ 0.0000, 0.0000,
0.5307

168.6498,

■ 0.0000, 0.0000,

153.1243, 237.3305

0.0000

207.3035,
190.1159, 287.8867

■ 21.2775, 16.5613,
36.2576

■ 21.2775, 16.5613,
36.2576

■ 18.9683, 13.3714,
35.7639

■ 23.9481, 20.3920,
36.8565

■ 16.9991, 10.7823,
35.3679

■ 26.9962, 24.8962,
37.5653

■ 15.3487, 8.7528,
35.0632

■ 30.4393, 30.1068,
38.3895

■ 13.9928, 7.2351,
34.8417

■ 34.2929, 36.0538,
39.3343

■ 12.9027, 6.1733,
34.6942

■ 38.5718, 42.7656,
40.4043

■ 12.0221, 5.4443,
34.5999

■ 43.2899, 50.2689,
41.6039

■ 48.4606, 58.5892,
42.9374

■ 54.0966, 67.7509,
44.4087

■ 60.2100, 77.7772,
46.0218

Harmonies

Analogous

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



17.6600, 16.5613, 45.2736



21.2775, 16.5613, 36.2576



23.5645, 16.5613, 23.6714

Triad

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



21.2775, 16.5613, 36.2576



17.6033, 16.5613, 4.7297



9.8851, 16.5613, 23.8524

Complementary

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



21.2775, 16.5613, 36.2576



22.9637, 30.7691, 16.0387

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.



9.8747, 16.5613, 13.3687



21.2775, 16.5613, 36.2576



13.9663, 16.5613, 4.7462

Square

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



21.2775, 16.5613, 36.2576



21.2305, 16.5613, 7.1835



11.2593, 16.5613, 7.2433



11.2901, 16.5613, 36.4335

Rectangle

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



21.2775, 16.5613, 36.2576



23.8316, 16.5613, 16.2613



11.2593, 16.5613, 7.2433



9.7264, 16.5613, 19.9277

Sweetspot

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



21.2781, 16.5620, 36.2580



53.8825, 52.5545, 69.3602



18.4013, 19.0493, 36.8897



11.9256, 11.5357, 15.5356



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.



21.2781, 16.5620, 36.2580



34.9083, 24.9149, 65.0253



25.0429, 18.5784, 33.0205



7.1096, 7.0708, 8.8932



9.5198, 4.3141, 27.2607



0.2494, 0.1161, 0.5751

Inverse Universe

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



22.6267, 17.6119, 20.2967



37.9440, 27.2340, 31.0952



20.3791, 29.3938, 17.8528



7.1769, 7.1272, 7.9178



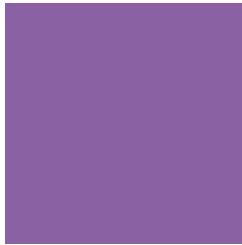
12.3969, 6.3148, 4.0147



0.2828, 0.1416, 0.2017

Previews

White Background



This preview shows how the XYZ color 21.2775, 16.5613, 36.2576 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 21.2775, 16.5613, 36.2576 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 21.2775, 16.5613, 36.2576

Background



This preview shows how black text looks on a background with the XYZ color 21.2775, 16.5613, 36.2576.



This preview shows how white text looks on a background with the XYZ color 21.2775, 16.5613,

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

21.2775, 16.5613, 36.2576

Protanopia

17.6388, 16.6490, 42.3283

Deuteranopia

17.0892, 16.6882, 35.1213



Tritanopia

17.7123, 16.5785, 18.4861

Trichromacy



Original Color

21.2775, 16.5613, 36.2576

Protanomaly

18.5941, 16.3985, 40.2154

Deuteranomaly

18.4129, 16.5642, 35.4844

Tritanomaly

18.8466, 16.4348, 24.0087

Monochromacy



Original Color

21.2775, 16.5613, 36.2576

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.2670, 17.2053, 24.5485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2775, 16.5613, 36.2576 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(138, 97, 162)` looks like.

```
.text, #text, p{  
    color:rgb(138, 97, 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(138, 97, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 97, 162) }
```

Border

The CSS property to change the border of an element to XYZ 21.2775, 16.5613, 36.2576 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(138, 97, 162) }
```


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

```
.border{ border-color:rgb(138, 97, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 97, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 97, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 97, 162);  
box-shadow:4px 4px 4px 4px rgb(138, 97,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2775, 16.5613, 36.2576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 97, 162) }
```

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

```
.background{ background-color: rgb(138, 97,  
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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