

Converting Colors

XYZ(21.1172, 16.1919, 35.3859)

Have a look what the booklet for
XYZ(21.1172, 16.1919, 35.3859)
contains.

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Color

**XYZ(21.0848, 16.2115,
35.2755)**

Conversions

Conversions Part 1

Format	Color
Hex	8B5FA0
RGB	139, 95, 160
RGB Percent	55%, 37%, 63%
CMY	0.4549, 0.6274, 0.3725
CMYK	0.13, 0.41, 0.00, 0.37
HSL	281°, 25%, 50%
HSV	281°, 41%, 63%
XYZ	21.0848, 16.2115, 35.2755
YIQ	115.5660, 5.3590, 29.5430

Conversions

Conversions Part 2

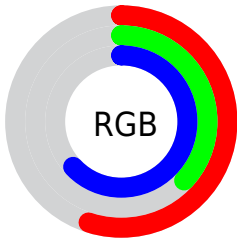
Format	Color
R_{YB}	139, 95, 160
Decimal	9133984
CIE _{Lab}	47.25, 30.05, -28.31
CIE _{LCh}	47, 41.281, 316.704
Yxy	16.2115, 0.2905, 0.2234
Android (android.graphics.Color)	4287324064 (0xFF8B5FA0)
YUV	115.5660, 21.9060, 20.5516
Hunter-Lab	40.2635, 23.0140, -23.7605

Details

The XYZ color **21.0848, 16.2115, 35.2755** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.8394, 29.6813, 15.4053**, and the grayscale version is **16.4025, 17.2567, 18.7926**.

A 20% lighter version of the original color is **44.7928, 36.9334, 69.0580**, and **7.6538, 5.1420, 14.7765** is the 20% darker color. If you saturate the color by 10%, you get **18.9461, 13.1851, 34.8043**, and if you desaturate by 10%, it is **23.5614, 19.8524, 35.8480**.

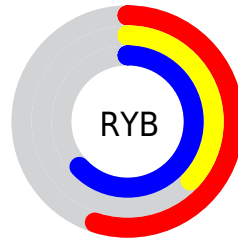
Distribution



Red (55%)

Green (37%)

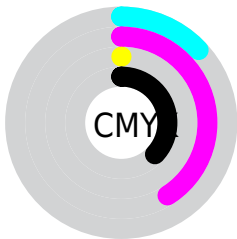
Blue (63%)



Red (55%)

Yellow (37%)

Blue (63%)

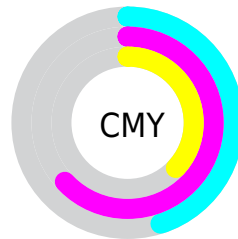


Cyan (13%)

Magenta (41%)

Yellow (0%)

Black (37%)



Cyan (45%)

Magenta (63%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0848, 16.2115, 35.2755 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 21.0848, 16.2115, 35.2755 by changing the saturation by 10% instead.

■ 21.0848, 16.2115,
35.2755

■ 21.0848, 16.2115,
35.2755

250.4520,
230.5865, 340.7238

■ 13.2988, 9.6739,
23.5899

■ 44.7188, 36.9650,
69.0687

■ 7.7130, 5.1833,
14.8203

■ 61.2976, 51.9497,
92.0135

■ 3.9621, 2.3552,
8.5482

■ 81.5380, 70.5189,
119.5484

■ 1.6807, 0.8027,
4.3549

■ 105.8054, 93.0571,
152.0920

■ 0.4442, 0.0000,
1.8220

134.4651,
119.9485, 190.0627

■ 0.0000, 0.0000,
0.4424

167.8826,

■ 0.0000, 0.0000,

151.5776, 233.8793

0.0000

206.4231,
188.3288, 283.9601

■ 21.0848, 16.2115,
35.2755

■ 21.0848, 16.2115,
35.2755

■ 18.9461, 13.1851,
34.8043

■ 23.5614, 19.8524,
35.8480

■ 17.1250, 10.7342,
34.4272

■ 26.3915, 24.1393,
36.5263

■ 15.6010, 8.8188,
34.1378

■ 29.5917, 29.1042,
37.3159

■ 14.3505, 7.3925,
33.9284

■ 33.1770, 34.7761,
38.2218

■ 13.3460, 6.4008,
33.7900

■ 37.1613, 41.1825,
39.2483

■ 12.5670, 5.7455,
33.7046

■ 41.5581, 48.3492,
40.3999

■ 46.3800, 56.3011,
41.6806

■ 51.6392, 65.0615,
43.0944

■ 57.3473, 74.6530,
44.6449

Harmonies

Analogous

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



17.5091, 16.2115, 44.6537



21.0848, 16.2115, 35.2755



23.2733, 16.2115, 22.6748

Triad

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



21.0848, 16.2115, 35.2755



17.0750, 16.2115, 4.4476



9.6298, 16.2115, 24.0627

Complementary

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



21.0848, 16.2115, 35.2755



21.8394, 29.6813, 15.4053

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.



9.5513, 16.2115, 13.4311



21.0848, 16.2115, 35.2755



13.4831, 16.2115, 4.5718

Square

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



21.0848, 16.2115, 35.2755



20.7241, 16.2115, 6.7125



10.8551, 16.2115, 7.1647



11.0898, 16.2115, 36.6297

Rectangle

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



21.0848, 16.2115, 35.2755



23.4578, 16.2115, 15.4134



10.8551, 16.2115, 7.1647



9.4500, 16.2115, 20.0965

Sweetspot

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



21.0854, 16.2122, 35.2759



52.7487, 51.3093, 67.5101



17.3877, 17.6168, 35.7419



11.4113, 11.0075, 14.7669



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.



21.0854, 16.2122, 35.2759



34.6452, 24.2789, 63.2468



24.0280, 17.8340, 30.6799



6.6956, 6.6471, 8.3368



9.8368, 4.5001, 26.2574



0.2180, 0.1022, 0.4715

Inverse Universe

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



21.7424, 16.9197, 18.6437



36.2579, 25.8965, 27.7995



19.8836, 28.6121, 18.0658



6.7170, 6.6797, 7.3608



11.7889, 6.0201, 3.1395



0.2290, 0.1149, 0.1521

Previews

White Background



This preview shows how the XYZ color 21.0848, 16.2115, 35.2755 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 21.0848, 16.2115, 35.2755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

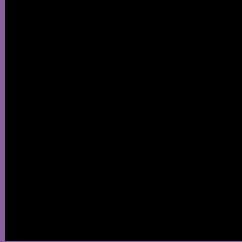
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 21.0848, 16.2115, 35.2755

Background



This preview shows how black text looks on a background with the XYZ color 21.0848, 16.2115, 35.2755.



This preview shows how white text looks on a background with the XYZ color 21.0848, 16.2115,

35.2755.

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

21.0848, 16.2115, 35.2755

Protanopia

17.3352, 16.3427, 41.7759

Deuteranopia

16.7000, 16.3446, 34.1729



Tritanopia

17.5479, 16.2009, 17.8250

Trichromacy



Original Color

21.0848, 16.2115, 35.2755

Protanomaly

18.3038, 16.1184, 39.1922

Deuteranomaly

17.9052, 16.0165, 34.4955

Tritanomaly

18.6746, 16.0700, 23.2366

Monochromacy



Original Color

21.0848, 16.2115, 35.2755

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.8396, 16.6762, 24.1084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0848, 16.2115, 35.2755 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(139, 95, 160)` looks like.

```
.text, #text, p{  
    color:rgb(139, 95, 160)  
}
```

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(139, 95, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 95, 160) }
```

Border

The CSS property to change the border of an element to XYZ 21.0848, 16.2115, 35.2755 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(139, 95, 160) }
```


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

```
.border{ border-color:rgb(139, 95, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 95, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 95, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 95, 160);  
box-shadow:4px 4px 4px 4px rgb(139, 95,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0848, 16.2115, 35.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 95, 160) }
```

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

```
.background{ background-color: rgb(139, 95,  
160) }
```

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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