

Converting Colors

XYZ(21.0107, 18.0023, 35.0577)

Have a look what the booklet for
XYZ(21.0107, 18.0023, 35.0577)
contains.

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Color

**XYZ(21.1363, 18.1339,
35.1871)**

Conversions

Conversions Part 1

Format	Color
Hex	846C9F
RGB	132, 108, 159
RGB Percent	52%, 42%, 62%
CMY	0.4823, 0.5765, 0.3765
CMYK	0.17, 0.32, 0.00, 0.38
HSL	268°, 21%, 52%
HSV	268°, 32%, 62%
XYZ	21.1363, 18.1339, 35.1871
YIQ	120.9900, -2.0670, 20.9490

Conversions

Conversions Part 2

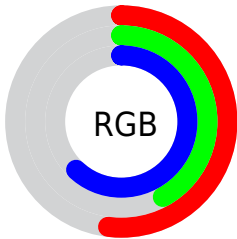
Format	Color
R_{YB}	132, 108, 159
Decimal	8678559
CIE _{Lab}	49.66, 19.91, -24.04
CIE _{LCh}	50, 31.220, 309.634
Yxy	18.1339, 0.2839, 0.2435
Android (android.graphics.Color)	4286868639 (0xFF846C9F)
YUV	120.9900, 18.7389, 9.6558
Hunter-Lab	42.5839, 14.0757, -19.1826

Details

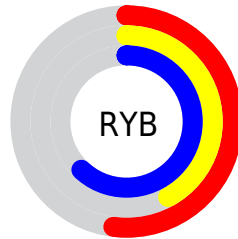
The XYZ color **21.1363, 18.1339, 35.1871** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.0972, 31.0304, 18.8549**, and the grayscale version is **18.1132, 19.0564, 20.7525**.

A 20% lighter version of the original color is **44.9581, 40.4358, 69.0537**, and **7.7494, 6.0871, 14.6764** is the 20% darker color. If you saturate the color by 10%, you get **18.3463, 14.4295, 34.6194**, and if you desaturate by 10%, it is **24.3396, 22.5062, 35.8625**.

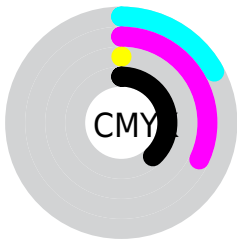
Distribution



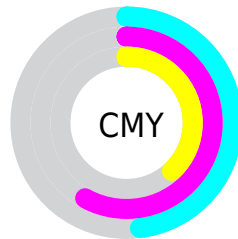
- Red (52%)
- Green (42%)
- Blue (62%)



- Red (52%)
- Yellow (42%)
- Blue (62%)



- Cyan (17%)
- Magenta (32%)
- Yellow (0%)
- Black (38%)



- Cyan (48%)
- Magenta (58%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1363, 18.1339, 35.1871 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 21.1363, 18.1339, 35.1871 by changing the saturation by 10% instead.

■ 21.1363, 18.1339,
35.1871

■ 21.1363, 18.1339,
35.1871

250.7200,
241.6247, 340.3227

■ 13.3367, 11.0462,
23.5223

■ 44.8038, 40.2654,
68.9304

■ 7.7394, 6.0979,
14.7708

■ 61.4025, 56.0779,
91.8460

■ 3.9790, 2.9047,
8.5138

■ 81.6648, 75.5674,
119.3489

■ 1.6903, 1.0822,
4.3330

■ 105.9563, 99.1184,
151.8577

■ 0.4502, 0.0000,
1.8097

134.6422,
127.1152, 189.7910

■ 0.0000, 0.0000,
0.4344

168.0878,

■ 0.0000, 0.0000,

159.9423, 233.5672

0.0000

206.6587,
197.9840, 283.6049

■ 21.1363, 18.1339,
35.1871

■ 21.1363, 18.1339,
35.1871

■ 18.3463, 14.4295,
34.6194

■ 24.3396, 22.5062,
35.8625

■ 15.9486, 11.3562,
34.1526

■ 27.9721, 27.5762,
36.6496

■ 13.9230, 8.8770,
33.7808

■ 32.0512, 33.3745,
37.5538

■ 12.2465, 6.9498,
33.4972

■ 36.5926, 39.9292,
38.5797

■ 10.8933, 5.5270,
33.2939

■ 41.6111, 47.2669,
39.7315

■ 9.8328, 4.5523,
33.1616

■ 47.1211, 55.4130,
41.0134

■ 9.1459, 3.9919,
33.0897

■ 53.1362, 64.3916,
42.4295

■ 59.6693, 74.2258,
43.9833

■ 66.7332, 84.9378,
45.6786

Harmonies

Analogous

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



18.2081, 18.1339, 40.6265



21.1363, 18.1339, 35.1871



23.1554, 18.1339, 25.9931

Triad

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



21.1363, 18.1339, 35.1871



19.2980, 18.1339, 8.0482



12.2015, 18.1339, 22.6067

Complementary

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



21.1363, 18.1339, 35.1871



25.0972, 31.0304, 18.8549

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.



12.4222, 18.1339, 14.5877



21.1363, 18.1339, 35.1871



16.2987, 18.1339, 7.6212

Square

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



21.1363, 18.1339, 35.1871



22.0124, 18.1339, 11.0499



13.8472, 18.1339, 9.6467



13.2054, 18.1339, 32.1059

Rectangle

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



21.1363, 18.1339, 35.1871



23.5921, 18.1339, 19.8493



13.8472, 18.1339, 9.6467



12.1378, 18.1339, 19.6405

Sweetspot

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



21.1369, 18.1346, 35.1875



51.4092, 51.2408, 65.9243



21.1349, 23.0759, 36.1414



11.3813, 11.2572, 14.8167



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.



21.1369, 18.1346, 35.1875



34.4510, 27.9362, 62.3199



25.5843, 20.4274, 35.3956



6.5667, 6.5806, 8.3308



7.2712, 3.1774, 26.1373



0.1785, 0.0818, 0.4696

Inverse Universe

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



24.0344, 19.8461, 25.4864



40.5530, 31.5426, 41.7903



21.4987, 29.1753, 18.6865



6.7724, 6.7019, 7.6526



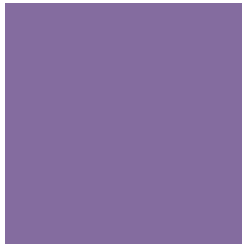
12.5838, 6.3381, 7.3251



0.2463, 0.1218, 0.2431

Previews

White Background



This preview shows how the XYZ color 21.1363, 18.1339, 35.1871 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 21.1363, 18.1339, 35.1871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

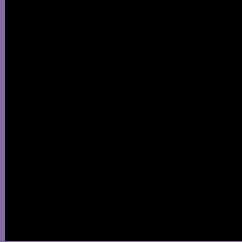
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1363, 18.1339, 35.1871

Background



This preview shows how black text looks on a background with the XYZ color 21.1363, 18.1339, 35.1871.



This preview shows how white text looks on a background with the XYZ color 21.1363, 18.1339,

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

21.1363, 18.1339, 35.1871

Protanopia

18.8377, 18.3593, 38.6272

Deuteranopia

18.5155, 18.1132, 34.4186



Tritanopia

18.3730, 18.1523, 21.6042

Trichromacy



Original Color

21.1363, 18.1339, 35.1871

Protanomaly

19.5676, 18.2564, 37.1428

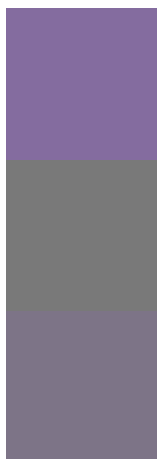
Deuteranomaly

19.4128, 18.0608, 34.8107

Tritanomaly

19.2116, 17.9837, 26.1255

Monochromacy



Original Color

21.1363, 18.1339, 35.1871

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.0760, 18.6000, 25.5064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1363, 18.1339, 35.1871 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(132, 108, 159)` looks like.

```
.text, #text, p{  
    color:rgb(132, 108, 159)  
}
```

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(132, 108, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 108, 159) }
```

Border

The CSS property to change the border of an element to XYZ 21.1363, 18.1339, 35.1871 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(132, 108, 159) }
```


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

```
.border{ border-color:rgb(132, 108, 159) }
```

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

Here you see how a box with a 4 pixel rgb(132, 108, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 108, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 108, 159);  
box-shadow:4px 4px 4px 4px rgb(132, 108,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1363, 18.1339, 35.1871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 108, 159) }
```

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

```
.background{ background-color: rgb(132,  
108, 159) }
```

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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