

Converting Colors

XYZ(21.0668, 18.4255, 34.7982)

Have a look what the booklet for
XYZ(21.0668, 18.4255, 34.7982)
contains.

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Color

**XYZ(21.1076, 18.4458,
34.7957)**

Conversions

Conversions Part 1

Format	Color
Hex	836E9E
RGB	131, 110, 158
RGB Percent	51%, 43%, 62%
CMY	0.4863, 0.5686, 0.3804
CMYK	0.17, 0.30, 0.00, 0.38
HSL	266°, 20%, 53%
HSV	266°, 30%, 62%
XYZ	21.1076, 18.4458, 34.7957
YIQ	121.7510, -2.8920, 19.3800

Conversions

Conversions Part 2

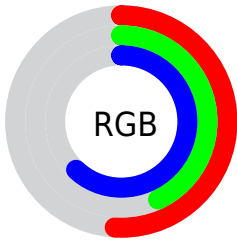
Format	Color
R_{YB}	131, 110, 158
Decimal	8613534
CIE _{Lab}	50.03, 18.16, -22.89
CIE _{LCh}	50, 29.220, 308.436
Yxy	18.4458, 0.2839, 0.2481
Android (android.graphics.Color)	4286803614 (0xFF836E9E)
YUV	121.7510, 17.8708, 8.1114
Hunter-Lab	42.9486, 12.5660, -17.9711

Details

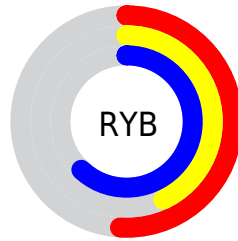
The XYZ color **21.1076, 18.4458, 34.7957** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.3584, 30.8983, 19.3801**, and the grayscale version is **18.3624, 19.3187, 21.0380**.

A 20% lighter version of the original color is **44.9382, 40.9590, 68.4882**, and **7.7175, 6.2352, 14.4324** is the 20% darker color. If you saturate the color by 10%, you get **18.2346, 14.6561, 34.2159**, and if you desaturate by 10%, it is **24.4039, 22.9058, 35.4831**.

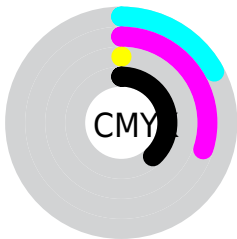
Distribution



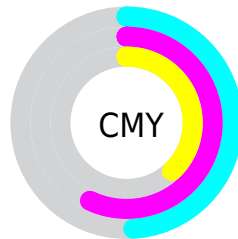
- Red (51%)
- Green (43%)
- Blue (62%)



- Red (51%)
- Yellow (43%)
- Blue (62%)



- Cyan (17%)
- Magenta (30%)
- Yellow (0%)
- Black (38%)



- Cyan (49%)
- Magenta (57%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1076, 18.4458, 34.7957 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 21.1076, 18.4458, 34.7957 by changing the saturation by 10% instead.

■ 21.1076, 18.4458,
34.7957

■ 21.1076, 18.4458,
34.7957

250.5707,
243.3719, 338.5425

■ 13.3156, 11.2705,
23.2233

■ 44.7565, 40.7955,
68.3171

■ 7.7247, 6.2491,
14.5516

■ 61.3440, 56.7387,
91.1032

■ 3.9696, 2.9971,
8.3622

■ 81.5942, 76.3734,
118.4642

■ 1.6850, 1.1302,
4.2365

■ 105.8722,
100.0838, 150.8187

■ 0.4468, 0.0036,
1.7560

134.5435,
128.2545, 188.5852

■ 0.0000, 0.0000,
0.3987

167.9735,

■ 0.0000, 0.0000,

161.2699, 232.1824

0.0000

206.5274,
199.5142, 282.0286

■ 21.1076, 18.4458,
34.7957

■ 21.1076, 18.4458,
34.7957

■ 18.2346, 14.6561,
34.2159

■ 24.4039, 22.9058,
35.4831

■ 15.7640, 11.5006,
33.7371

■ 28.1394, 28.0653,
36.2821

■ 13.6756, 8.9432,
33.3535

■ 32.3315, 33.9543,
37.1979

■ 11.9466, 6.9431,
33.0586

■ 36.9961, 40.6005,
38.2349

■ 10.5516, 5.4541,
32.8447

■ 42.1480, 48.0301,
39.3974

■ 9.4607, 4.4221,
32.7030

■ 47.8016, 56.2680,
40.6895

■ 8.6347, 3.7384,
32.6146

■ 53.9706, 65.3381,
42.1150

■ 60.6682, 75.2630,
43.6778

■ 67.9071, 86.0648,
45.3812

Harmonies

Analogous

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



18.3364, 18.4458, 39.5932



21.1076, 18.4458, 34.7957



23.0486, 18.4458, 26.3209

Triad

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



21.1076, 18.4458, 34.7957



19.5925, 18.4458, 8.8622



12.7150, 18.4458, 22.4396

Complementary

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



21.1076, 18.4458, 34.7957



25.3584, 30.8983, 19.3801

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.



12.9747, 18.4458, 14.9200



21.1076, 18.4458, 34.7957



16.7519, 18.4458, 8.3424

Square

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



21.1076, 18.4458, 34.7957



22.1109, 18.4458, 11.9233



14.3852, 18.4458, 10.2433



13.6337, 18.4458, 31.3128

Rectangle

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



21.1076, 18.4458, 34.7957



23.5027, 18.4458, 20.5093



14.3852, 18.4458, 10.2433



12.6695, 18.4458, 19.6653

Sweetspot

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



21.1082, 18.4466, 34.7961



51.9716, 52.1809, 66.0762



21.5767, 23.7325, 35.7917



11.4912, 11.4493, 14.8479



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.



21.1082, 18.4466, 34.7961



34.9444, 29.0074, 62.5007



25.2272, 20.5700, 34.9889



6.5463, 6.5701, 8.3298



6.9593, 3.0167, 26.1227



0.1722, 0.0785, 0.4693

Inverse Universe

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



24.1924, 20.2278, 26.2969



41.5257, 32.8120, 44.1986



21.8778, 29.1040, 19.2172



6.7814, 6.7055, 7.7001



12.7531, 6.4058, 8.2169



0.2491, 0.1230, 0.2577

Previews

White Background



This preview shows how the XYZ color 21.1076, 18.4458, 34.7957 looks on a white 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

Black Background



This preview shows how the XYZ color 21.1076, 18.4458, 34.7957 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 21.1076, 18.4458, 34.7957

Background



This preview shows how black text looks on a background with the XYZ color 21.1076, 18.4458, 34.7957.



This preview shows how white text looks on a background with the XYZ color 21.1076, 18.4458,

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

21.1076, 18.4458, 34.7957

Protanopia

19.0050, 18.6405, 37.7183

Deuteranopia

18.8775, 18.4719, 34.4688



Tritanopia

18.5512, 18.4071, 21.9772

Trichromacy



Original Color

21.1076, 18.4458, 34.7957

Protanomaly

19.5918, 18.4475, 36.7105

Deuteranomaly

19.5743, 18.3205, 34.4028

Tritanomaly

19.4348, 18.4300, 26.1999

Monochromacy



Original Color

21.1076, 18.4458, 34.7957

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.3091, 19.0661, 25.5841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1076, 18.4458, 34.7957 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(131, 110, 158)` looks like.

```
.text, #text, p{  
    color:rgb(131, 110, 158)  
}
```

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(131, 110, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 110, 158) }
```

Border

The CSS property to change the border of an element to XYZ 21.1076, 18.4458, 34.7957 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(131, 110, 158) }
```


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

```
.border{ border-color:rgb(131, 110, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 110, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 110, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 110, 158);  
box-shadow:4px 4px 4px 4px rgb(131, 110,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1076, 18.4458, 34.7957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 110, 158) }
```

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

```
.background{ background-color: rgb(131,  
110, 158) }
```

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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