

Converting Colors

XYZ(21.1800, 18.9709, 36.0209)

Have a look what the booklet for
XYZ(21.1800, 18.9709, 36.0209)
contains.

XYZ(21.1524, 18.9375, 35.7982)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.1524, 18.9375,
35.7982)**

Conversions

Conversions Part 1

Format	Color
Hex	8071A0
RGB	128, 113, 160
RGB Percent	50%, 44%, 63%
CMY	0.4980, 0.5569, 0.3725
CMYK	0.20, 0.29, 0.00, 0.37
HSL	259°, 20%, 54%
HSV	259°, 29%, 63%
XYZ	21.1524, 18.9375, 35.7982
YIQ	122.8430, -6.1470, 17.7970

Conversions

Conversions Part 2

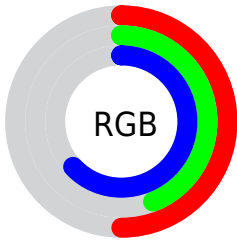
Format	Color
R_{YB}	128, 113, 160
Decimal	8417696
CIE _{Lab}	50.61, 15.87, -23.19
CIE _{LCh}	51, 28.098, 304.393
Yxy	18.9375, 0.2787, 0.2495
Android (android.graphics.Color)	4286607776 (0xFF8071A0)
YUV	122.8430, 18.3184, 4.5227
Hunter-Lab	43.5172, 10.6082, -18.3111

Details

The XYZ color **21.1524, 18.9375, 35.7982** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.2290, 32.3541, 20.4334**, and the grayscale version is **18.7186, 19.6934, 21.4461**.

A 20% lighter version of the original color is **44.7769, 41.6403, 69.9674**, and **7.7390, 6.4830, 15.0308** is the 20% darker color. If you saturate the color by 10%, you get **17.9708, 14.8774, 35.1825**, and if you desaturate by 10%, it is **24.8259, 23.7193, 36.5279**.

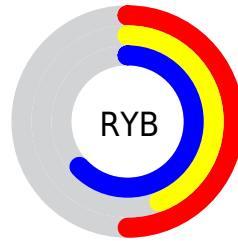
Distribution



Red (50%)

Green (44%)

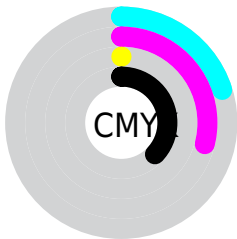
Blue (63%)



Red (50%)

Yellow (44%)

Blue (63%)

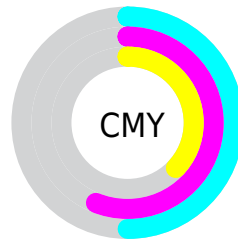


Cyan (20%)

Magenta (29%)

Yellow (0%)

Black (37%)



Cyan (50%)

Magenta (56%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1524, 18.9375, 35.7982 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 21.1524, 18.9375, 35.7982 by changing the saturation by 10% instead.

■ 21.1524, 18.9375,
35.7982

■ 21.1524, 18.9375,
35.7982

250.8037,
246.1035, 343.0883

■ 13.3485, 11.6251,
23.9899

■ 44.8304, 41.6285,
69.8860

■ 7.7476, 6.4890,
15.1140

■ 61.4353, 57.7758,
93.0026

■ 3.9843, 3.1446,
8.7519

■ 81.7045, 77.6370,
120.7258

■ 1.6933, 1.2077,
4.4851

■ 106.0034,
101.5964, 153.4740

■ 0.4521, 0.0680,
1.8951

134.6975,
130.0383, 191.6658

■ 0.0000, 0.0000,
0.4896

168.1520,

■ 0.0000, 0.0000,

163.3472, 235.7198

0.0000

206.7323,
201.9075, 286.0545

■ 21.1524, 18.9375,
35.7982

■ 21.1524, 18.9375,
35.7982

■ 17.9708, 14.8774,
35.1825

■ 24.8259, 23.7193,
36.5279

■ 15.2572, 11.5006,
34.6738

■ 29.0100, 29.2538,
37.3756

■ 12.9884, 8.7691,
34.2661

■ 33.7247, 35.5730,
38.3469

■ 11.1382, 6.6395,
33.9526

■ 38.9884, 42.7064,
39.4463

■ 9.6774, 5.0633,
33.7253

■ 44.8185, 50.6818,
40.6784

■ 8.5727, 3.9840,
33.5752

■ 51.2317, 59.5259,
42.0475

■ 7.7592, 3.2832,
33.4828

■ 58.2439, 69.2640,
43.5576

■ 7.7137, 3.2436,
33.4776

■ 65.8703, 79.9206,
45.2125

■ 73.4834, 90.2341,
46.8020

Harmonies

Analogous

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



18.4073, 18.9375, 39.6885



21.1524, 18.9375, 35.7982



23.1975, 18.9375, 27.8763

Triad

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



21.1524, 18.9375, 35.7982



20.3813, 18.9375, 9.7620



13.2282, 18.9375, 21.8008

Complementary

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



21.1524, 18.9375, 35.7982



27.2290, 32.3541, 20.4334

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.



13.6425, 18.9375, 14.7463



21.1524, 18.9375, 35.7982



17.5978, 18.9375, 8.9121

Square

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



21.1524, 18.9375, 35.7982



22.7215, 18.9375, 13.1982



15.1766, 18.9375, 10.4832



13.9818, 18.9375, 30.4038

Rectangle

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



21.1524, 18.9375, 35.7982



23.7872, 18.9375, 22.1339



15.1766, 18.9375, 10.4832



13.2362, 18.9375, 19.1762

Sweetspot

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



21.1530, 18.9383, 35.7986



52.8351, 53.3315, 67.8958



23.2991, 26.3359, 37.1134



11.3454, 11.3741, 14.8411



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.



21.1530, 18.9383, 35.7986



34.6652, 29.5915, 64.2712



25.0846, 20.9651, 35.9826



6.4741, 6.5329, 8.3264



6.0504, 2.5481, 26.0802



0.1495, 0.0669, 0.4683

Inverse Universe

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



25.5137, 21.3289, 29.5608



43.9506, 34.6885, 50.6905



23.5239, 30.4440, 20.2600



6.8140, 6.7185, 7.8716



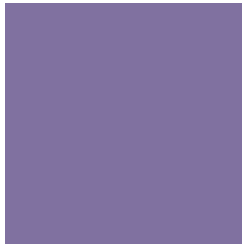
13.4613, 6.6891, 11.9462



0.2590, 0.1269, 0.3100

Previews

White Background



This preview shows how the XYZ color 21.1524, 18.9375, 35.7982 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 21.1524, 18.9375, 35.7982 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 21.1524, 18.9375, 35.7982

Background



This preview shows how black text looks on a background with the XYZ color 21.1524, 18.9375, 35.7982.



This preview shows how white text looks on a background with the XYZ color 21.1524, 18.9375,

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

21.1524, 18.9375, 35.7982

Protanopia

19.4518, 19.0361, 38.2464

Deuteranopia

19.4104, 19.0764, 35.4600



Tritanopia

18.5191, 18.8897, 23.0921

Trichromacy



Original Color

21.1524, 18.9375, 35.7982

Protanomaly

20.0424, 19.0118, 37.2636

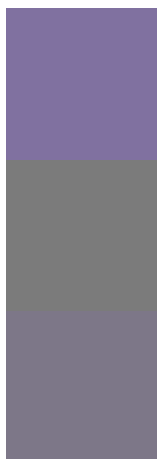
Deuteranomaly

19.9554, 19.0077, 35.4180

Tritanomaly

19.4071, 18.9011, 27.4364

Monochromacy



Original Color

21.1524, 18.9375, 35.7982

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.4982, 19.3312, 25.9962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1524, 18.9375, 35.7982 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(128, 113, 160)` looks like.

```
.text, #text, p{  
    color:rgb(128, 113, 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(128, 113, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 113, 160) }
```

Border

The CSS property to change the border of an element to XYZ 21.1524, 18.9375, 35.7982 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(128, 113, 160) }
```


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

```
.border{ border-color:rgb(128, 113, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 113, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 113, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 113, 160);  
box-shadow:4px 4px 4px 4px rgb(128, 113,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1524, 18.9375, 35.7982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 113, 160) }
```

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

```
.background{ background-color: rgb(128,  
113, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor