

Converting Colors

XYZ(21.1938, 19.2708, 39.1690)

Have a look what the booklet for
XYZ(21.1938, 19.2708, 39.1690)
contains.

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Color

**XYZ(21.1318, 19.1891,
39.1493)**

Conversions

Conversions Part 1

Format	Color
Hex	7A73A7
RGB	122, 115, 167
RGB Percent	48%, 45%, 65%
CMY	0.5216, 0.5490, 0.3451
CMYK	0.27, 0.31, 0.00, 0.35
HSL	248°, 23%, 55%
HSV	248°, 31%, 65%
XYZ	21.1318, 19.1891, 39.1493
YIQ	123.0210, -12.5200, 17.6560

Conversions

Conversions Part 2

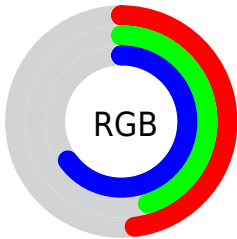
Format	Color
R_{YB}	122, 115, 167
Decimal	8024999
CIE _{Lab}	50.91, 14.51, -26.86
CIE _{LCh}	51, 30.526, 298.375
Yxy	19.1891, 0.2659, 0.2415
Android (android.graphics.Color)	4286215079 (0xFF7A73A7)
YUV	123.0210, 21.6816, -0.8954
Hunter-Lab	43.8054, 9.4494, -22.3243

Details

The XYZ color **21.1318, 19.1891, 39.1493** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.4111, 36.3493, 21.5811**, and the grayscale version is **18.7679, 19.7453, 21.5027**.

A 20% lighter version of the original color is **44.6827, 42.0253, 74.8639**, and **7.7742, 6.6298, 17.0896** is the 20% darker color. If you saturate the color by 10%, you get **17.5009, 14.7421, 38.4827**, and if you desaturate by 10%, it is **25.4134, 24.4844, 39.9461**.

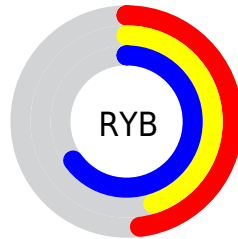
Distribution



Red (48%)

Green (45%)

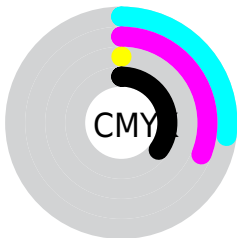
Blue (65%)



Red (48%)

Yellow (45%)

Blue (65%)

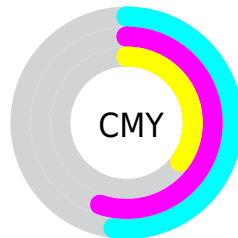


Cyan (27%)

Magenta (31%)

Yellow (0%)

Black (35%)



Cyan (52%)

Magenta (55%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1318, 19.1891, 39.1493 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 21.1318, 19.1891, 39.1493 by changing the saturation by 10% instead.

■ 21.1318, 19.1891,
39.1493

■ 21.1318, 19.1891,
39.1493

250.6966,
247.4907, 357.9697

■ 13.3334, 11.8070,
26.5672

■ 44.7964, 42.0534,
75.0892

■ 7.7371, 6.6124,
17.0189

■ 61.3933, 58.3044,
99.2840

■ 3.9776, 3.2209,
10.0858

■ 81.6538, 78.2804,
128.1869

■ 1.6895, 1.2481,
5.3496

■ 105.9431,
102.3660, 162.2162

■ 0.4497, 0.1005,
2.3915

134.6267,
130.9454, 201.7907

■ 0.0000, 0.0000,
0.7818

168.0699,

■ 0.0000, 0.0000,

164.4030, 247.3287

0.0000

206.6381,
203.1233, 299.2489

■ 21.1318, 19.1891,
39.1493

■ 21.1318, 19.1891,
39.1493

■ 17.5009, 14.7421,
38.4827

■ 25.4134, 24.4844,
39.9461

■ 14.4866, 11.0971,
37.9380

■ 30.3734, 30.6668,
40.8780

■ 12.0548, 8.2066,
37.5082

■ 36.0405, 37.7753,
41.9514

■ 10.1673, 6.0170,
37.1851

■ 42.4411, 45.8459,
43.1718

■ 8.7810, 4.4680,
36.9591

■ 49.6001, 54.9128,
44.5446

■ 7.8461, 3.4885,
36.8193

■ 57.5413, 65.0083,
46.0746

■ 7.3166, 2.9661,
36.7464

■ 66.2875, 76.1634,
47.7668

■ 75.8606, 88.4078,
49.6257

■ 82.9060, 95.0189,
50.5304

Harmonies

Analogous

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



18.0749, 19.1891, 42.2461



21.1318, 19.1891, 39.1493



23.6280, 19.1891, 30.8538

Triad

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



21.1318, 19.1891, 39.1493



21.4473, 19.1891, 9.7135



13.0403, 19.1891, 20.4267

Complementary

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



21.1318, 19.1891, 39.1493



31.4111, 36.3493, 21.5811

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.



13.7383, 19.1891, 13.3472



21.1318, 19.1891, 39.1493



18.4034, 19.1891, 8.3126

Square

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



21.1318, 19.1891, 39.1493



23.8238, 19.1891, 13.9608



15.6224, 19.1891, 9.4339



13.6027, 19.1891, 29.8091

Rectangle

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



21.1318, 19.1891, 39.1493



24.5199, 19.1891, 24.4175



15.6224, 19.1891, 9.4339



13.1337, 19.1891, 17.7263

Sweetspot

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



21.1325, 19.1899, 39.1497



56.2975, 57.3007, 73.5682



26.6282, 31.6001, 41.2555



12.2935, 12.4413, 16.4056



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.1325, 19.1899, 39.1497



33.4690, 28.9963, 69.3081



25.3071, 21.3420, 39.3451



7.2222, 7.3472, 9.4558



5.6240, 2.2827, 28.1197



0.1642, 0.0697, 0.6854

Inverse Universe

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



28.4129, 23.0158, 36.2035



48.5583, 36.9318, 62.9334



26.7560, 33.9495, 21.3632



7.7978, 7.6490, 9.2525



16.0905, 7.8449, 21.0857



0.4031, 0.1955, 0.5740

Previews

White Background



This preview shows how the XYZ color 21.1318, 19.1891, 39.1493 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 21.1318, 19.1891, 39.1493 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 21.1318, 19.1891, 39.1493

Background



This preview shows how black text looks on a background with the XYZ color 21.1318, 19.1891, 39.1493.



This preview shows how white text looks on a background with the XYZ color 21.1318, 19.1891,

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

21.1318, 19.1891, 39.1493

Protanopia

19.6782, 19.0992, 40.6796

Deuteranopia

19.6628, 19.3119, 38.7676



Tritanopia

18.1946, 19.2298, 24.5826

Trichromacy



Original Color

21.1318, 19.1891, 39.1493

Protanomaly

20.1954, 19.2009, 40.1779

Deuteranomaly

20.0435, 19.1548, 38.7172

Tritanomaly

19.1789, 19.0895, 29.4619

Monochromacy



Original Color

21.1318, 19.1891, 39.1493

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.5451, 19.5080, 27.1614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1318, 19.1891, 39.1493 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(122, 115, 167)` looks like.

```
.text, #text, p{  
    color:rgb(122, 115, 167)  
}
```

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(122, 115, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 115, 167) }
```

Border

The CSS property to change the border of an element to XYZ 21.1318, 19.1891, 39.1493 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(122, 115, 167) }
```


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

```
.border{ border-color:rgb(122, 115, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 115, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 115, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 115, 167);  
box-shadow:4px 4px 4px 4px rgb(122, 115,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1318, 19.1891, 39.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 115, 167) }
```

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

```
.background{ background-color: rgb(122,  
115, 167) }
```

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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