

Converting Colors

XYZ(20.4946, 19.3607, 39.8701)

Have a look what the booklet for
XYZ(20.4946, 19.3607, 39.8701)
contains.

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Color

**XYZ(20.4857, 19.3614,
39.7032)**

Conversions

Conversions Part 1

Format	Color
Hex	7276A8
RGB	114, 118, 168
RGB Percent	45%, 46%, 66%
CMY	0.5529, 0.5372, 0.3412
CMYK	0.32, 0.30, 0.00, 0.34
HSL	236°, 24%, 55%
HSV	236°, 32%, 66%
XYZ	20.4857, 19.3614, 39.7032
YIQ	122.5040, -18.4340, 14.7020

Conversions

Conversions Part 2

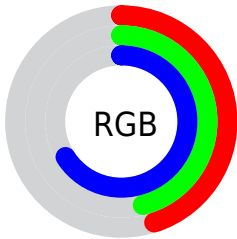
Format	Color
R_{YB}	114, 118, 168
Decimal	7501480
CIE _{Lab}	51.11, 10.53, -27.18
CIE _{LCh}	51, 29.150, 291.171
Yxy	19.3614, 0.2575, 0.2434
Android (android.graphics.Color)	4285691560 (0xFF7276A8)
YUV	122.5040, 22.4295, -7.4580
Hunter-Lab	44.0016, 6.1010, -22.6970

Details

The XYZ color **20.4857, 19.3614, 39.7032** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.4615, 36.0909, 21.1756**, and the grayscale version is **18.5972, 19.5657, 21.3070**.

A 20% lighter version of the original color is **43.6304, 42.2927, 75.6758**, and **7.4569, 6.7313, 17.4292** is the 20% darker color. If you saturate the color by 10%, you get **16.8147, 14.9705, 39.0495**, and if you desaturate by 10%, it is **24.8615, 24.5649, 40.4773**.

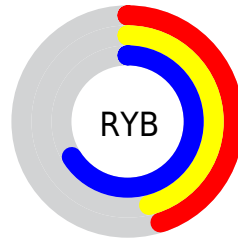
Distribution



Red (45%)

Green (46%)

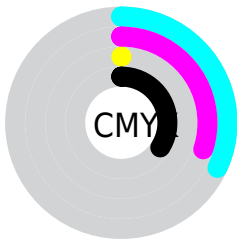
Blue (66%)



Red (45%)

Yellow (46%)

Blue (66%)

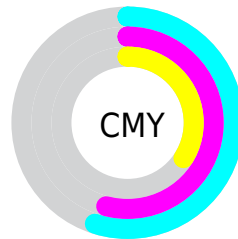


Cyan (32%)

Magenta (30%)

Yellow (0%)

Black (34%)



Cyan (55%)

Magenta (54%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4857, 19.3614, 39.7032 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 20.4857, 19.3614, 39.7032 by changing the saturation by 10% instead.

■ 20.4857, 19.3614,
39.7032

■ 20.4857, 19.3614,
39.7032

247.3163,
248.4367, 360.3858

■ 12.8589, 11.9317,
26.9952

■ 43.7278, 42.3439,
75.9435

■ 7.4078, 6.6972,
17.3372

■ 60.0737, 58.6655,
100.3128

■ 3.7670, 3.2735,
10.3107

■ 80.0568, 78.7198,
129.4064

■ 1.5712, 1.2761,
5.4972

104.0424,
102.8913, 163.6426

■ 0.3735, 0.1226,
2.4780

132.3957,
131.5644, 203.4402

■ 0.0000, 0.0000,
0.8285

165.4823,

■ 0.0000, 0.0000,

165.1233, 249.2175

0.0000

203.6673,
203.9527, 301.3932

■ 20.4857, 19.3614,
39.7032

■ 20.4857, 19.3614,
39.7032

■ 16.8147, 14.9705,
39.0495

■ 24.8615, 24.5649,
40.4773

■ 13.8097, 11.3490,
38.5089

■ 29.9743, 30.6168,
41.3760

■ 11.4312, 8.4532,
38.0753

■ 35.8564, 37.5535,
42.4049

■ 9.6347, 6.2339,
37.7416

■ 42.5381, 45.4086,
43.5689

■ 8.3698, 4.6360,
37.4998

■ 50.0476, 54.2139,
44.8727

■ 7.5775, 3.5955,
37.3408

■ 58.4120, 63.9997,
46.3207

■ 7.2049, 3.1011,
37.2650

■ 67.6570, 74.7951,
47.9171

■ 77.8074, 86.6276,
49.6660

■ 84.0679, 95.6072,
51.0693

Harmonies

Analogous

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



17.5617, 19.3614, 41.0707



20.4857, 19.3614, 39.7032



23.0856, 19.3614, 32.7326

Triad

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



20.4857, 19.3614, 39.7032



22.1158, 19.3614, 10.9456



13.4342, 19.3614, 18.7291

Complementary

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



20.4857, 19.3614, 39.7032



32.4615, 36.0909, 21.1756

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.



14.3997, 19.3614, 12.5861



20.4857, 19.3614, 39.7032



19.2696, 19.3614, 8.9311

Square

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



20.4857, 19.3614, 39.7032



24.0932, 19.3614, 15.8346



16.4654, 19.3614, 9.4406



13.6867, 19.3614, 27.3751

Rectangle

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



20.4857, 19.3614, 39.7032



24.1864, 19.3614, 26.6532



16.4654, 19.3614, 9.4406



13.6230, 19.3614, 16.3457

Sweetspot

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



20.4864, 19.3622, 39.7037



56.3709, 57.8950, 75.4289



27.5983, 34.2454, 40.0415



11.9892, 12.2677, 16.3881



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.



20.4864, 19.3622, 39.7037



32.0151, 28.9680, 71.1291



23.3205, 20.1386, 39.7041



7.1748, 7.3865, 9.4659



5.4566, 2.3733, 28.1460



0.1463, 0.0848, 0.6893

Inverse Universe

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



25.4363, 21.6681, 19.9820



42.5392, 33.9908, 29.1719



28.8057, 35.2859, 21.2128



7.5528, 7.5510, 7.9624



12.2548, 6.3106, 0.8875



0.3050, 0.1563, 0.0575

Previews

White Background



This preview shows how the XYZ color 20.4857, 19.3614, 39.7032 looks on a white background.

Color Contrast Check

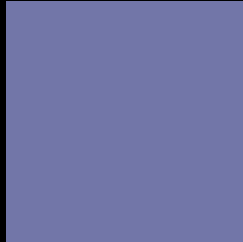
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4857, 19.3614, 39.7032 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 20.4857, 19.3614, 39.7032

Background



This preview shows how black text looks on a background with the XYZ color 20.4857, 19.3614, 39.7032.



This preview shows how white text looks on a background with the XYZ color 20.4857, 19.3614,

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

20.4857, 19.3614, 39.7032

Protanopia

19.9413, 19.4233, 40.2342

Deuteranopia

19.8478, 19.3859, 39.7416



Tritanopia

17.5741, 19.2623, 25.3460

Trichromacy



Original Color

20.4857, 19.3614, 39.7032

Protanomaly

20.1887, 19.3732, 40.2115

Deuteranomaly

20.0951, 19.3358, 39.7188

Tritanomaly

18.5782, 19.3094, 29.9420

Monochromacy



Original Color

20.4857, 19.3614, 39.7032

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.2433, 19.5319, 27.1819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4857, 19.3614, 39.7032 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(114, 118, 168)` looks like.

```
.text, #text, p{  
    color:rgb(114, 118, 168)  
}
```

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(114, 118, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 118, 168) }
```

Border

The CSS property to change the border of an element to XYZ 20.4857, 19.3614, 39.7032 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(114, 118, 168) }
```


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

```
.border{ border-color:rgb(114, 118, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 118, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 118, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 118, 168);  
box-shadow:4px 4px 4px 4px rgb(114, 118,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4857, 19.3614, 39.7032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 118, 168) }
```

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

```
.background{ background-color: rgb(114,  
118, 168) }
```

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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