

Converting Colors

XYZ(20.7755, 20.7473, 39.3227)

Have a look what the booklet for
XYZ(20.7755, 20.7473, 39.3227)
contains.

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Color

**XYZ(20.8642, 20.8368,
39.4815)**

Conversions

Conversions Part 1

Format	Color
Hex	6F7DA7
RGB	111, 125, 167
RGB Percent	44%, 49%, 65%
CMY	0.5647, 0.5098, 0.3451
CMYK	0.34, 0.25, 0.00, 0.35
HSL	225°, 24%, 55%
HSV	225°, 34%, 65%
XYZ	20.8642, 20.8368, 39.4815
YIQ	125.6020, -21.8260, 10.0940

Conversions

Conversions Part 2

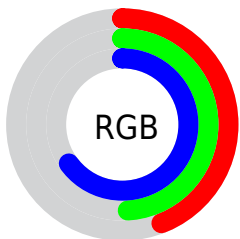
Format	Color
R_{YB}	111, 122, 167
Decimal	7306663
CIE _{Lab}	52.77, 5.19, -24.05
CIE _{LCh}	53, 24.603, 282.188
Yxy	20.8368, 0.2570, 0.2567
Android (android.graphics.Color)	4285496743 (0xFF6F7DA7)
YUV	125.6020, 20.4092, -12.8060
Hunter-Lab	45.6473, 1.7048, -19.3282

Details

The XYZ color **20.8642, 20.8368, 39.4815** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.1972, 32.1459, 19.6527**, and the grayscale version is **19.6351, 20.6577, 22.4962**.

A 20% lighter version of the original color is **44.2168, 44.6107, 75.3875**, and **7.6034, 7.3988, 17.2470** is the 20% darker color. If you saturate the color by 10%, you get **17.4693, 16.8798, 38.8970**, and if you desaturate by 10%, it is **24.8533, 25.3978, 40.1520**.

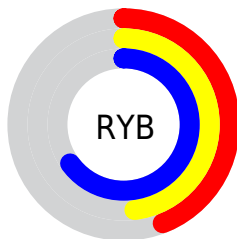
Distribution



Red (44%)

Green (49%)

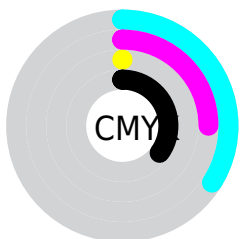
Blue (65%)



Red (44%)

Yellow (48%)

Blue (65%)

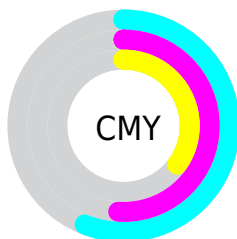


Cyan (34%)

Magenta (25%)

Yellow (0%)

Black (35%)



Cyan (56%)

Magenta (51%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8642, 20.8368, 39.4815 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 20.8642, 20.8368, 39.4815 by changing the saturation by 10% instead.

■ 20.8642, 20.8368,
39.4815

■ 20.8642, 20.8368,
39.4815

249.3013,
256.4099, 359.4202

■ 13.1367, 13.0048,
26.8238

■ 44.3544, 44.8158,
75.6017

■ 7.6004, 7.4318,
17.2097

■ 60.8478, 61.7315,
99.9014

■ 3.8900, 3.7336,
10.2206

■ 80.9938, 82.4439,
128.9187

■ 1.6401, 1.5257,
5.4379

■ 105.1579,
107.3374, 163.0723

■ 0.4183, 0.3067,
2.4432

133.7053,
136.7963, 202.7807

■ 0.0000, 0.0000,
0.8098

167.0014,

■ 0.0000, 0.0000,

171.2051, 248.4625

0.0000

205.4116,
210.9482, 300.5361

■ 20.8642, 20.8368,
39.4815

■ 20.8642, 20.8368,
39.4815

■ 17.4693, 16.8798,
38.8970

■ 24.8533, 25.3978,
40.1520

■ 14.6372, 13.4983,
38.3936

■ 29.4618, 30.5850,
40.9103

■ 12.3365, 10.6650,
37.9680

■ 34.7159, 36.4222,
41.7601

■ 10.5321, 8.3491,
37.6161

■ 40.6397, 42.9313,
42.7042

■ 9.1838, 6.5165,
37.3334

■ 47.2560, 50.1331,
43.7456

■ 8.2449, 5.1286,
37.1150

■ 54.5865, 58.0476,
44.8869

■ 7.7944, 4.4285,
37.0036

■ 62.6521, 66.6939,
46.1307

■ 71.4725, 76.0903,
47.4795

■ 78.7099, 85.0396,
48.8254

Harmonies

Analogous

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



18.3343, 20.8368, 38.9649



20.8642, 20.8368, 39.4815



23.3045, 20.8368, 34.8434

Triad

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



20.8642, 20.8368, 39.4815



23.6879, 20.8368, 14.4635



15.4710, 20.8368, 18.6360

Complementary

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



20.8642, 20.8368, 39.4815



30.1972, 32.1459, 19.6527

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.



16.6742, 20.8368, 13.7498



20.8642, 20.8368, 39.4815



21.3518, 20.8368, 11.7231

Square

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



20.8642, 20.8368, 39.4815



25.0266, 20.8368, 19.8348



18.7818, 20.8368, 11.4937



15.3651, 20.8368, 25.8019

Rectangle

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



20.8642, 20.8368, 39.4815



24.4945, 20.8368, 29.9356



18.7818, 20.8368, 11.4937



15.7554, 20.8368, 16.7157

Sweetspot

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



20.8649, 20.8376, 39.4820



55.7858, 58.1467, 73.7585



26.0477, 33.2866, 34.7870



12.2075, 12.7043, 16.4609



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.



20.8649, 20.8376, 39.4820



32.8894, 32.1143, 69.9405



20.9819, 18.4496, 39.0149



7.2786, 7.5940, 9.5005



5.9982, 3.4567, 28.3266



0.1852, 0.1627, 0.7023

Inverse Universe

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



25.3230, 21.0657, 22.1343



42.1754, 32.9500, 33.7255



30.0022, 35.6491, 20.3392



7.6052, 7.5719, 8.2382



12.5282, 6.4200, 2.3273



0.3246, 0.1641, 0.1610

Previews

White Background



This preview shows how the XYZ color 20.8642, 20.8368, 39.4815 looks on a white background.

Color Contrast Check

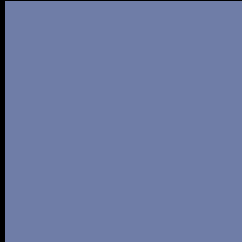
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8642, 20.8368, 39.4815 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

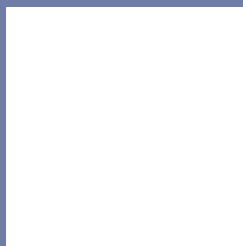
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8642, 20.8368, 39.4815

Background



This preview shows how black text looks on a background with the XYZ color 20.8642, 20.8368, 39.4815.



This preview shows how white text looks on a background with the XYZ color 20.8642, 20.8368,

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

20.8642, 20.8368, 39.4815

Protanopia

21.0300, 20.7459, 38.9723

Deuteranopia

21.2529, 20.8502, 39.4635



Tritanopia

18.5420, 20.8620, 27.8604

Trichromacy



Original Color

20.8642, 20.8368, 39.4815

Protanomaly

20.9006, 20.6792, 38.9663

Deuteranomaly

21.1221, 20.7827, 39.4574

Tritanomaly

19.2876, 20.7662, 31.8459

Monochromacy



Original Color

20.8642, 20.8368, 39.4815

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.1537, 20.9097, 28.1731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8642, 20.8368, 39.4815 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(111, 125, 167)` looks like.

```
.text, #text, p{  
    color:rgb(111, 125, 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(111, 125, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 125, 167) }
```

Border

The CSS property to change the border of an element to XYZ 20.8642, 20.8368, 39.4815 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(111, 125, 167) }
```


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

```
.border{ border-color:rgb(111, 125, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 125, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 125, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 125, 167);  
box-shadow:4px 4px 4px 4px rgb(111, 125,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8642, 20.8368, 39.4815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 125, 167) }
```

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

```
.background{ background-color: rgb(111,  
125, 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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