

Converting Colors

XYZ(20.9896, 20.3302, 41.8478)

Have a look what the booklet for
XYZ(20.9896, 20.3302, 41.8478)
contains.

XYZ(20.9615, 20.2771, 41.8388)	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(20.9615, 20.2771,
41.8388)**

Conversions

Conversions Part 1

Format	Color
Hex	6F7AAC
RGB	111, 122, 172
RGB Percent	44%, 48%, 67%
CMY	0.5647, 0.5216, 0.3255
CMYK	0.35, 0.29, 0.00, 0.33
HSL	229°, 27%, 55%
HSV	229°, 35%, 67%
XYZ	20.9615, 20.2771, 41.8388
YIQ	124.4110, -22.6060, 13.2180

Conversions

Conversions Part 2

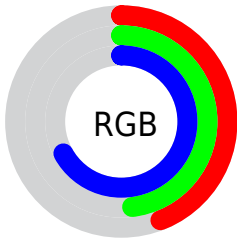
Format	Color
R_{YB}	111, 120, 172
Decimal	7305900
CIE _{Lab}	52.15, 8.34, -27.90
CIE _{LCh}	52, 29.123, 286.642
Yxy	20.2771, 0.2523, 0.2441
Android (android.graphics.Color)	4285495980 (0xFF6F7AAC)
YUV	124.4110, 23.4614, -11.7614
Hunter-Lab	45.0301, 4.2890, -23.5670

Details

The XYZ color **20.9615, 20.2771, 41.8388** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.6280, 35.4089, 20.1548**, and the grayscale version is **19.2254, 20.2266, 22.0267**.

A 20% lighter version of the original color is **44.4495, 43.7661, 79.5037**, and **7.6420, 7.1901, 18.4378** is the 20% darker color. If you saturate the color by 10%, you get **17.3948, 16.0526, 41.2117**, and if you desaturate by 10%, it is **25.1975, 25.2202, 42.5700**.

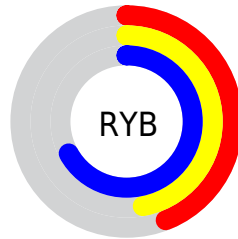
Distribution



Red (44%)

Green (48%)

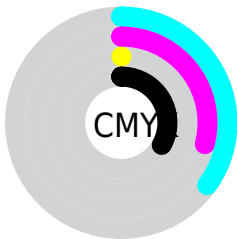
Blue (67%)



Red (44%)

Yellow (47%)

Blue (67%)

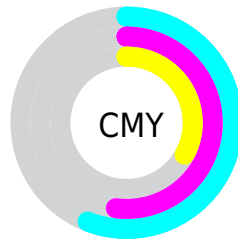


Cyan (35%)

Magenta (29%)

Yellow (0%)

Black (33%)



Cyan (56%)

Magenta (52%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9615, 20.2771, 41.8388 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 20.9615, 20.2771, 41.8388 by changing the saturation by 10% instead.

■ 20.9615, 20.2771,
41.8388

■ 20.9615, 20.2771,
41.8388

249.8094,
253.4113, 369.5942

■ 13.2082, 12.5966,
28.6505

■ 44.5152, 43.8813,
79.2231

■ 7.6500, 7.1514,
18.5733

■ 61.0463, 60.5738,
104.2560

■ 3.9217, 3.5570,
11.1887

■ 81.2340, 81.0391,
134.0743

■ 1.6580, 1.4290,
6.0781

■ 105.4437,
105.6615, 169.0965

■ 0.4297, 0.2379,
2.8231

134.0407,
134.8256, 209.7410

■ 0.0000, 0.0000,
1.0050

167.3905,

■ 0.0000, 0.0000,

168.9157, 256.4264

0.0000

205.8582,
208.3161, 309.5713

■ 20.9615, 20.2771,
41.8388

■ 20.9615, 20.2771,
41.8388

■ 17.3948, 16.0526,
41.2117

■ 25.1975, 25.2202,
42.5700

■ 14.4605, 12.5106,
40.6827

■ 30.1329, 30.9114,
43.4084

■ 12.1213, 9.6152,
40.2471

■ 35.7985, 37.3810,
44.3586

■ 10.3350, 7.3259,
39.8994

■ 42.2225, 44.6571,
45.4244

■ 9.0536, 5.5977,
39.6334

■ 49.4319, 52.7664,
46.6097

■ 8.2185, 4.3778,
39.4419

■ 57.4520, 61.7344,
47.9180

■ 7.9368, 3.9593,
39.3760

■ 66.3072, 71.5853,
49.3527

■ 76.0208, 82.3426,
50.9171

■ 82.5280, 91.9217,
52.4230

Harmonies

Analogous

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



17.9785, 20.2771, 42.2127



20.9615, 20.2771, 41.8388



23.7483, 20.2771, 35.3764

Triad

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



20.9615, 20.2771, 41.8388



23.4823, 20.2771, 12.1638



14.2162, 20.2771, 18.4984

Complementary

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



20.9615, 20.2771, 41.8388



32.6280, 35.4089, 20.1548

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.



15.3981, 20.2771, 12.6163



20.9615, 20.2771, 41.8388



20.6277, 20.2771, 9.6477

Square

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



20.9615, 20.2771, 41.8388



25.3033, 20.2771, 17.7025



17.6773, 20.2771, 9.7886



14.2857, 20.2771, 27.1216

Rectangle

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



20.9615, 20.2771, 41.8388



25.0289, 20.2771, 29.2479



17.6773, 20.2771, 9.7886



14.4747, 20.2771, 16.1880

Sweetspot

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



20.9622, 20.2779, 41.8393



58.8851, 60.9090, 79.4588



27.7256, 35.4518, 39.0156



12.5119, 12.9108, 17.2203



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.9622, 20.2779, 41.8393



32.5695, 30.3304, 74.9435



22.3862, 19.1193, 41.5406



7.6914, 7.9821, 10.0880



5.9362, 3.0063, 29.3119



0.1991, 0.1515, 0.8267

Inverse Universe

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



26.2112, 21.5455, 21.1902



43.7063, 33.3795, 31.0517



30.6995, 37.3948, 20.6397



8.0620, 8.0381, 8.6375



12.8600, 6.6065, 1.6421



0.3749, 0.1906, 0.1359

Previews

White Background



This preview shows how the XYZ color 20.9615, 20.2771, 41.8388 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 20.9615, 20.2771, 41.8388 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 20.9615, 20.2771, 41.8388

Background



This preview shows how black text looks on a background with the XYZ color 20.9615, 20.2771, 41.8388.



This preview shows how white text looks on a background with the XYZ color 20.9615, 20.2771,

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

20.9615, 20.2771, 41.8388

Protanopia

20.7126, 20.1488, 41.8272

Deuteranopia

20.8360, 20.3957, 41.8683



Tritanopia

17.9729, 20.1860, 27.3751

Trichromacy



Original Color

20.9615, 20.2771, 41.8388

Protanomaly

20.8363, 20.2126, 41.8330

Deuteranomaly

20.9598, 20.4595, 41.8741

Tritanomaly

18.9906, 20.2202, 32.1801

Monochromacy



Original Color

20.9615, 20.2771, 41.8388

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.4984, 20.0109, 28.0341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9615, 20.2771, 41.8388 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, 122, 172)` looks like.

```
.text, #text, p{  
    color:rgb(111, 122, 172)  
}
```

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, 122, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 122, 172) }
```

Border

The CSS property to change the border of an element to XYZ 20.9615, 20.2771, 41.8388 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, 122, 172) }
```


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

```
.border{ border-color:rgb(111, 122, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 122, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 122, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 122, 172);  
box-shadow:4px 4px 4px 4px rgb(111, 122,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9615, 20.2771, 41.8388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 122, 172) }
```

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

```
.background{ background-color: rgb(111,  
122, 172) }
```

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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