

Converting Colors

XYZ(20.5514, 20.1725, 36.9929)

Have a look what the booklet for
XYZ(20.5514, 20.1725, 36.9929)
contains.

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Color

**XYZ(20.5514, 20.1725,
36.9929)**

Conversions

Conversions Part 1

Format	Color
Hex	737AA2
RGB	115, 122, 162
RGB Percent	45%, 48%, 64%
CMY	0.5490, 0.5216, 0.3647
CMYK	0.29, 0.25, 0.00, 0.36
HSL	231°, 20%, 54%
HSV	231°, 29%, 64%
XYZ	20.5514, 20.1725, 36.9929
YIQ	124.4670, -17.0120, 10.9560

Conversions

Conversions Part 2

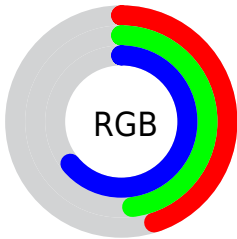
Format	Color
R_{YB}	115, 121, 162
Decimal	7568034
CIE _{Lab}	52.03, 6.86, -22.26
CIE _{LCh}	52, 23.294, 287.136
Yxy	20.1725, 0.2644, 0.2596
Android (android.graphics.Color)	4285758114 (0xFF737AA2)
YUV	124.4670, 18.5038, -8.3026
Hunter-Lab	44.9138, 3.0778, -17.3941

Details

The XYZ color **20.5514, 20.1725, 36.9929** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.7167, 32.3625, 20.9009**, and the grayscale version is **19.2588, 20.2617, 22.0650**.

A 20% lighter version of the original color is **43.8089, 43.6067, 71.7536**, and **7.4432, 7.1472, 15.7391** is the 20% darker color. If you saturate the color by 10%, you get **17.0310, 16.0207, 36.3774**, and if you desaturate by 10%, it is **24.6878, 24.9993, 37.7069**.

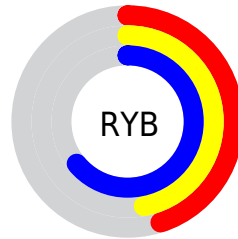
Distribution



Red (45%)

Green (48%)

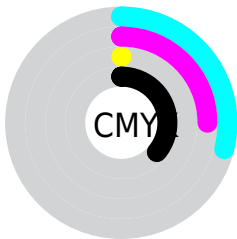
Blue (64%)



Red (45%)

Yellow (47%)

Blue (64%)

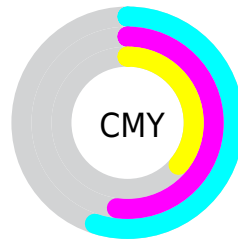


Cyan (29%)

Magenta (25%)

Yellow (0%)

Black (36%)



Cyan (55%)

Magenta (52%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5514, 20.1725, 36.9929 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 20.5514, 20.1725, 36.9929 by changing the saturation by 10% instead.

■ 20.5514, 20.1725,
36.9929

■ 20.5514, 20.1725,
36.9929

247.6618,
252.8474, 348.4475

■ 12.9071, 12.5205,
24.9063

■ 43.8367, 43.7062,
71.7481

■ 7.4411, 7.0992,
15.7888

■ 60.2083, 60.3567,
95.2537

■ 3.7883, 3.5242,
9.2221

■ 80.2198, 80.7755,
123.4027

■ 1.5831, 1.4112,
4.7876

104.2364,
105.3469, 156.6136

■ 0.3813, 0.2249,
2.0666

132.6236,
134.4555, 195.3050

■ 0.0000, 0.0000,
0.5958

165.7466,

■ 0.0000, 0.0000,

168.4855, 239.8955

0.0000

203.9709,
207.8213, 290.8035

■ 20.5514, 20.1725,
36.9929

■ 20.5514, 20.1725,
36.9929

■ 17.0310, 16.0207,
36.3774

■ 24.6878, 24.9993,
37.7069

■ 14.0948, 12.5113,
35.8548

■ 29.4657, 30.5270,
38.5220

■ 11.7114, 9.6124,
35.4209

■ 34.9117, 36.7830,
39.4425

■ 9.8454, 7.2887,
35.0707

■ 41.0504, 43.7927,
40.4720

■ 8.4575, 5.5009,
34.7988

■ 47.9050, 51.5800,
41.6138

■ 7.5021, 4.2047,
34.5989

■ 55.4977, 60.1680,
42.8713

■ 6.8999, 3.3354,
34.4629

■ 63.8497, 69.5786,
44.2475

■ 6.8509, 3.2671,
34.4523

■ 72.9812, 79.8331,
45.7455

■ 80.7445, 89.8344,
47.2668

Harmonies

Analogous

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



18.1739, 20.1725, 37.3514



20.5514, 20.1725, 36.9929



22.7213, 20.1725, 32.1231

Triad

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



20.5514, 20.1725, 36.9929



22.4526, 20.1725, 13.7012



15.0548, 20.1725, 19.1779

Complementary

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



20.5514, 20.1725, 36.9929



29.7167, 32.3625, 20.9009

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.



16.0154, 20.1725, 14.2109



20.5514, 20.1725, 36.9929



20.2088, 20.1725, 11.5174

Square

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



20.5514, 20.1725, 36.9929



23.8796, 20.1725, 18.3300



17.8583, 20.1725, 11.6824



15.1300, 20.1725, 26.0501

Rectangle

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



20.5514, 20.1725, 36.9929



23.6993, 20.1725, 27.4514



17.8583, 20.1725, 11.6824



15.2638, 20.1725, 17.2621

Sweetspot

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



20.5521, 20.1733, 36.9934



53.3439, 55.2479, 69.9085



25.9033, 31.8509, 35.7714



11.6931, 12.0766, 15.6522



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.5521, 20.1733, 36.9934



32.9352, 31.4727, 66.3951



22.0830, 19.7323, 36.8276



6.7817, 7.0224, 8.9011



5.4181, 2.6156, 27.1491



0.1368, 0.1009, 0.5781

Inverse Universe

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



24.5445, 21.3488, 21.2402



41.4711, 34.1569, 32.6757



27.7896, 33.1487, 21.1542



7.1148, 7.1024, 7.5908



11.8803, 6.1082, 1.2941



0.2612, 0.1330, 0.0882

Previews

White Background



This preview shows how the XYZ color 20.5514, 20.1725, 36.9929 looks on a white background.

Color Contrast Check

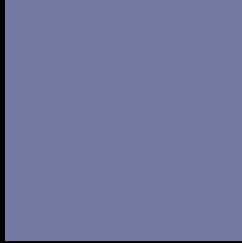
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5514, 20.1725, 36.9929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

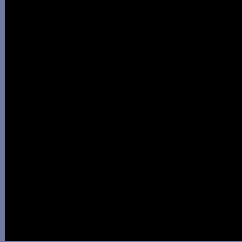
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5514, 20.1725, 36.9929

Background



This preview shows how black text looks on a background with the XYZ color 20.5514, 20.1725, 36.9929.



This preview shows how white text looks on a background with the XYZ color 20.5514, 20.1725,

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

20.5514, 20.1725, 36.9929

Protanopia

20.2912, 20.0384, 36.9808

Deuteranopia

20.5514, 20.1725, 36.9929



Tritanopia

18.5351, 20.2999, 26.6083

Trichromacy



Original Color

20.5514, 20.1725, 36.9929

Protanomaly

20.4206, 20.1051, 36.9868

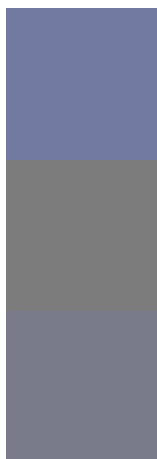
Deuteranomaly

20.5514, 20.1725, 36.9929

Tritanomaly

19.2040, 20.1873, 30.0785

Monochromacy



Original Color

20.5514, 20.1725, 36.9929

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.5556, 20.0658, 26.8872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5514, 20.1725, 36.9929 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(115, 122, 162)` looks like.

```
.text, #text, p{  
    color:rgb(115, 122, 162)  
}
```

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(115, 122, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 122, 162) }
```

Border

The CSS property to change the border of an element to XYZ 20.5514, 20.1725, 36.9929 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(115, 122, 162) }
```


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

```
.border{ border-color:rgb(115, 122, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 122, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 122, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 122, 162);  
box-shadow:4px 4px 4px 4px rgb(115, 122,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5514, 20.1725, 36.9929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 122, 162) }
```

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

```
.background{ background-color: rgb(115,  
122, 162) }
```

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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