

Converting Colors

XYZ(20.1475, 11.3944, 54.4697)

Have a look what the booklet for
XYZ(20.1475, 11.3944, 54.4697)
contains.

XYZ(20.1136, 11.3634, 54.5593)	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(20.1136, 11.3634,
54.5593)**

Conversions

Conversions Part 1

Format	Color
Hex	7D39C6
RGB	125, 57, 198
RGB Percent	49%, 22%, 78%
CMY	0.5098, 0.7765, 0.2235
CMYK	0.37, 0.71, 0.00, 0.22
HSL	269°, 55%, 50%
HSV	269°, 71%, 78%
XYZ	20.1136, 11.3634, 54.5593
YIQ	93.4060, -4.7330, 58.2670

Conversions

Conversions Part 2

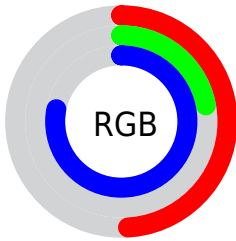
Format	Color
R_{YB}	125, 57, 198
Decimal	8206790
CIE _{Lab}	40.19, 55.78, -61.98
CIE _{LCh}	40, 83.384, 311.983
Yxy	11.3634, 0.2338, 0.1321
Android (android.graphics.Color)	4286396870 (0xFF7D39C6)
YUV	93.4060, 51.5648, 27.7079
Hunter-Lab	33.7096, 47.5141, -72.3645

Details

The XYZ color **20.1136, 11.3634, 54.5593** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **30.1383, 45.4294, 11.0513**, and the grayscale version is **10.3837, 10.9244, 11.8967**.

A 20% lighter version of the original color is **43.1544, 28.4391, 97.8226**, and **7.2727, 3.1765, 26.2164** is the 20% darker color. If you saturate the color by 10%, you get **17.8987, 9.0410, 54.2280**, and if you desaturate by 10%, it is **22.8656, 14.5291, 55.0255**.

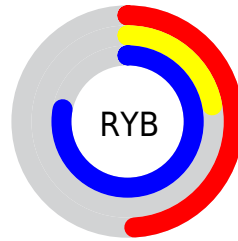
Distribution



Red (49%)

Green (22%)

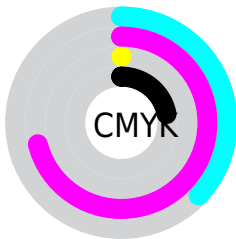
Blue (78%)



Red (49%)

Yellow (22%)

Blue (78%)

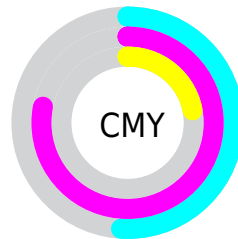


Cyan (37%)

Magenta (71%)

Yellow (0%)

Black (22%)



Cyan (51%)

Magenta (78%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1136, 11.3634, 54.5593 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 20.1136, 11.3634, 54.5593 by changing the saturation by 10% instead.

■ 20.1136, 11.3634,
54.5593

■ 20.1136, 11.3634,
54.5593

■ 245.3513,
200.1440, 421.4740

■ 12.5864, 6.3118,
38.6528

■ 43.1101, 28.3302,
98.3596

■ 7.2194, 3.0356,
26.1840

■ 59.3100, 41.0143,
127.0905

■ 3.6472, 1.1503,
16.7343

■ 79.1316, 57.0112,
160.9333

■ 1.5046, 0.0206,
9.8853

■ 102.9401, 76.7055,
200.3064

■ 0.3289, 0.0000,
5.2184

■ 131.1010,
100.4816, 245.6285

■ 0.0000, 0.0000,
2.3150

■ 163.9796,

■ 0.0000, 0.0000,

128.7237, 297.3181

0.7396

201.9413,
161.8164, 355.7938

■ 0.0000, 0.0000,
0.0000

■ 20.1136, 11.3634,
54.5593

■ 20.1136, 11.3634,
54.5593

■ 17.8987, 9.0410,
54.2280

■ 22.8656, 14.5291,
55.0255

■ 16.1672, 7.4639,
54.0149

■ 26.1972, 18.6187,
55.6393

■ 14.9638, 6.5366,
53.8993

■ 30.1478, 23.7041,
56.4127

■ 34.7527, 29.8498,
57.3562

■ 40.0443, 37.1145,
58.4795

■ 46.0526, 45.5526,
59.7916

■ 52.8058, 55.2150,
61.3007

■ 60.3303, 66.1492,
63.0146

■ 68.6515, 78.4006,
64.9408

Harmonies

Analogous

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



13.2864, 11.3634, 77.3281



20.1136, 11.3634, 54.5593



25.2623, 11.3634, 25.1190

Triad

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



20.1136, 11.3634, 54.5593



14.6315, 11.3634, 0.0000



3.1505, 11.3634, 20.2627

Complementary

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



20.1136, 11.3634, 54.5593



30.1383, 45.4294, 11.0513

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.



3.2861, 11.3634, 4.8883



20.1136, 11.3634, 54.5593



8.6459, 11.3634, 0.0000

Square

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



20.1136, 11.3634, 54.5593



21.3967, 11.3634, 0.9445



4.9249, 11.3634, 0.5106



4.4492, 11.3634, 48.4117

Rectangle

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



20.1136, 11.3634, 54.5593



26.2264, 11.3634, 11.2997



4.9249, 11.3634, 0.5106



3.0477, 11.3634, 13.5118

Sweetspot

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



20.1142, 11.3638, 54.5596



70.8076, 65.5793, 103.5339



20.1589, 21.5041, 56.5145



14.5675, 13.2222, 22.0343



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



20.1142, 11.3638, 54.5596



30.0419, 14.4428, 95.8121



33.7252, 18.3805, 55.1966



10.5353, 10.5342, 13.3955



9.8291, 4.3014, 35.0566



0.5490, 0.2467, 1.6638

Inverse Universe

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



28.7811, 16.5438, 22.7946



47.4836, 24.8792, 31.3499



22.9006, 41.6982, 10.7126



10.8593, 10.7271, 12.2423



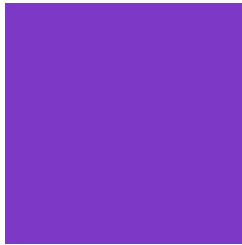
16.7648, 8.4555, 9.2370



0.8303, 0.4150, 0.6295

Previews

White Background



This preview shows how the XYZ color 20.1136, 11.3634, 54.5593 looks on a white background.

Color Contrast Check

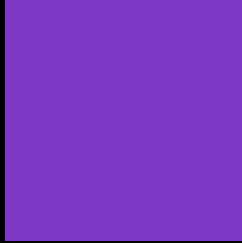
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.1136, 11.3634, 54.5593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

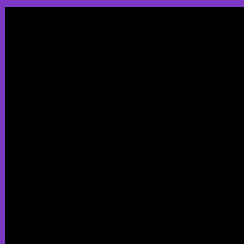
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1136, 11.3634, 54.5593

Background



This preview shows how black text looks on a background with the XYZ color 20.1136, 11.3634, 54.5593.



This preview shows how white text looks on a background with the XYZ color 20.1136, 11.3634,

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

20.1136, 11.3634, 54.5593

Protanopia

13.5648, 11.5493, 52.5532

Deuteranopia

11.3426, 11.3765, 38.6439



Tritanopia

11.7714, 11.3673, 13.1290

Trichromacy



Original Color

20.1136, 11.3634, 54.5593



Protanomaly

13.7285, 10.0900, 52.8537



Deuteranomaly

12.2362, 9.8471, 43.9036



Tritanomaly

13.7811, 10.7579, 23.9044

Monochromacy



Original Color

20.1136, 11.3634, 54.5593



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

12.7911, 10.3793, 22.8020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1136, 11.3634, 54.5593 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(125, 57, 198)` looks like.

```
.text, #text, p{  
    color:rgb(125, 57, 198)  
}
```

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(125, 57, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 57, 198) }
```

Border

The CSS property to change the border of an element to XYZ 20.1136, 11.3634, 54.5593 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(125, 57, 198) }
```


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

```
.border{ border-color:rgb(125, 57, 198) }
```

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

Here you see how a box with a 4 pixel rgb(125, 57, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 57, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 57, 198);  
box-shadow:4px 4px 4px 4px rgb(125, 57,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1136, 11.3634, 54.5593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 57, 198) }
```

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

```
.background{ background-color: rgb(125, 57,  
198) }
```

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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