

Converting Colors

XYZ(20.4077, 13.4218, 37.4713)

Have a look what the booklet for
XYZ(20.4077, 13.4218, 37.4713)
contains.

XYZ(20.3835, 13.4480, 37.5978)	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(20.3835, 13.4480,
37.5978)**

Conversions

Conversions Part 1

Format	Color
Hex	8D4BA6
RGB	141, 75, 166
RGB Percent	55%, 29%, 65%
CMY	0.4471, 0.7059, 0.3490
CMYK	0.15, 0.55, 0.00, 0.35
HSL	284°, 38%, 47%
HSV	284°, 55%, 65%
XYZ	20.3835, 13.4480, 37.5978
YIQ	105.1080, 10.1250, 42.2930

Conversions

Conversions Part 2

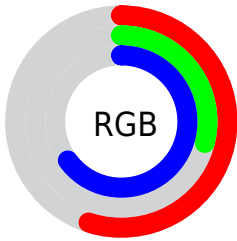
Format	Color
R_{YB}	141, 75, 166
Decimal	9259942
CIE _{Lab}	43.43, 43.12, -37.85
CIE _{LCh}	43, 57.371, 318.725
Yxy	13.4480, 0.2854, 0.1883
Android (android.graphics.Color)	4287450022 (0xFF8D4BA6)
YUV	105.1080, 30.0198, 31.4773
Hunter-Lab	36.6715, 35.0423, -35.1175

Details

The XYZ color **20.3835, 13.4480, 37.5978** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **20.1621, 30.4900, 11.4796**, and the grayscale version is **13.3762, 14.0729, 15.3253**.

A 20% lighter version of the original color is **43.6716, 32.0660, 72.9948**, and **7.3318, 3.9202, 15.9930** is the 20% darker color. If you saturate the color by 10%, you get **18.6416, 11.0913, 37.2349**, and if you desaturate by 10%, it is **22.4521, 16.4097, 38.0607**.

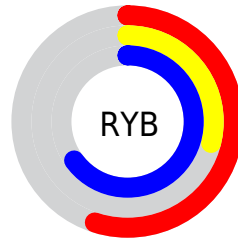
Distribution



Red (55%)

Green (29%)

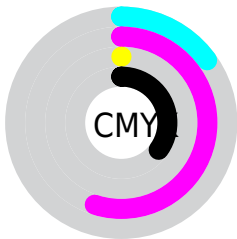
Blue (65%)



Red (55%)

Yellow (29%)

Blue (65%)

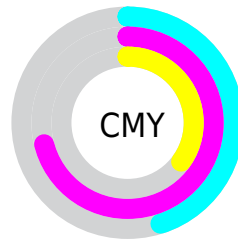


Cyan (15%)

Magenta (55%)

Yellow (0%)

Black (35%)



Cyan (45%)

Magenta (71%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3835, 13.4480, 37.5978 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 20.3835, 13.4480, 37.5978 by changing the saturation by 10% instead.

■ 20.3835, 13.4480,
37.5978

■ 20.3835, 13.4480,
37.5978

246.7779,
213.7692, 351.1378

■ 12.7840, 7.7378,
25.3713

■ 43.5583, 32.1063,
72.6878

■ 7.3559, 3.9276,
16.1323

■ 59.8643, 45.8232,
96.3884

■ 3.7340, 1.6331,
9.4625

■ 79.8031, 62.9777,
124.7507

■ 1.5528, 0.3798,
4.9431

■ 103.7402, 83.9543,
158.1934

■ 0.3613, 0.0000,
2.1558

■ 132.0409,
109.1374, 197.1349

■ 0.0000, 0.0000,
0.6487

165.0705,

■ 0.0000, 0.0000,

138.9113, 241.9937

0.0000

203.1944,
173.6604, 293.1885

■ 20.3835, 13.4480,
37.5978

■ 20.3835, 13.4480,
37.5978

■ 18.6416, 11.0913,
37.2349

■ 22.4521, 16.4097,
38.0607

■ 17.2011, 9.2911,
36.9634

■ 24.8671, 20.0168,
38.6296

■ 16.0352, 7.9938,
36.7744

■ 27.6484, 24.3077,
39.3113

■ 15.1105, 7.1332,
36.6571

■ 30.8137, 29.3177,
40.1115

■ 14.6839, 6.7747,
36.6103

■ 34.3796, 35.0795,
41.0356

■ 38.3618, 41.6236,
42.0889

■ 42.7748, 48.9789,
43.2760

■ 47.6328, 57.1730,
44.6016

■ 52.9490, 66.2319,
46.0699

Harmonies

Analogous

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



15.7418, 13.4480, 52.4708



20.3835, 13.4480, 37.5978



23.1893, 13.4480, 19.9970

Triad

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



20.3835, 13.4480, 37.5978



14.5356, 13.4480, 1.3424



6.2517, 13.4480, 24.0425

Complementary

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



20.3835, 13.4480, 37.5978



20.1621, 30.4900, 11.4796

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.



6.0741, 13.4480, 10.3410



20.3835, 13.4480, 37.5978



10.2184, 13.4480, 1.5177

Square

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



20.3835, 13.4480, 37.5978



19.3253, 13.4480, 2.8452



7.3531, 13.4480, 3.6727



7.9125, 13.4480, 41.9963

Rectangle

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



20.3835, 13.4480, 37.5978



23.2882, 13.4480, 11.2196



7.3531, 13.4480, 3.6727



6.0338, 13.4480, 18.6993

Sweetspot

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



20.3840, 13.4486, 37.5981



55.0286, 51.7788, 72.5693



14.4177, 13.5149, 37.9254



12.0530, 11.1711, 16.1731



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.



20.3840, 13.4486, 37.5981



33.1545, 19.2537, 67.4442



23.4527, 15.2237, 29.0126



7.6380, 7.5615, 9.4753



11.4332, 5.2775, 28.3915



0.3235, 0.1518, 0.6929

Inverse Universe

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



20.5426, 14.0597, 13.6880



33.9498, 20.7625, 17.8395



18.5909, 29.5897, 15.4911



7.6126, 7.5749, 8.2774



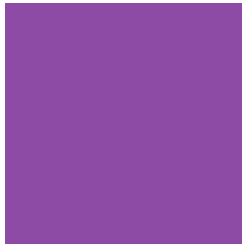
12.5885, 6.4441, 2.6446



0.3274, 0.1652, 0.1756

Previews

White Background



This preview shows how the XYZ color 20.3835, 13.4480, 37.5978 looks on a white background.

Color Contrast Check

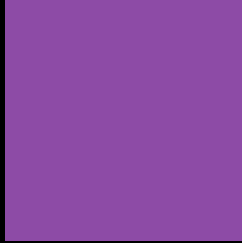
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3835, 13.4480, 37.5978 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 20.3835, 13.4480, 37.5978

Background



This preview shows how black text looks on a background with the XYZ color 20.3835, 13.4480, 37.5978.



This preview shows how white text looks on a background with the XYZ color 20.3835, 13.4480,

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

20.3835, 13.4480, 37.5978

Protanopia

15.5388, 13.7019, 50.5409

Deuteranopia

14.0309, 13.6902, 35.6212



Tritanopia

15.4394, 13.3804, 13.5733

Trichromacy



Original Color

20.3835, 13.4480, 37.5978

Protanomaly

16.1061, 12.8931, 45.3558

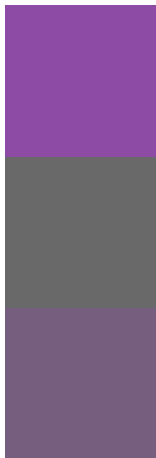
Deuteranomaly

15.5622, 13.0697, 36.3528

Tritanomaly

16.8946, 13.2365, 20.4034

Monochromacy



Original Color

20.3835, 13.4480, 37.5978

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.3047, 13.3893, 21.8564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3835, 13.4480, 37.5978 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(141, 75, 166)` looks like.

```
.text, #text, p{  
    color:rgb(141, 75, 166)  
}
```

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(141, 75, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 75, 166) }
```

Border

The CSS property to change the border of an element to XYZ 20.3835, 13.4480, 37.5978 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(141, 75, 166) }
```


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

```
.border{ border-color:rgb(141, 75, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 75, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 75, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 75, 166); box-shadow:4px 4px 4px 4px rgb(141, 75, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3835, 13.4480, 37.5978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 75, 166) }
```

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

```
.background{ background-color: rgb(141, 75,  
166) }
```

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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