

Converting Colors

XYZ(13.9011, 6.3323, 54.8658)

Have a look what the booklet for
XYZ(13.9011, 6.3323, 54.8658)
contains.

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Color

**XYZ(13.9837, 6.3759,
55.1372)**

Conversions

Conversions Part 1

Format	Color
Hex	5014C8
RGB	80, 20, 200
RGB Percent	31%, 8%, 78%
CMY	0.6863, 0.9216, 0.2157
CMYK	0.60, 0.90, 0.00, 0.22
HSL	260°, 82%, 43%
HSV	260°, 90%, 78%
XYZ	13.9837, 6.3759, 55.1372
YIQ	58.4600, -22.0200, 68.7000

Conversions

Conversions Part 2

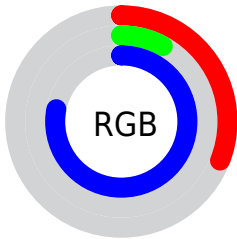
Format	Color
RYB	80, 20, 200
Decimal	5248200
CIELab	30.34, 64.21, -79.51
CIELCh	30, 102.201, 308.921
Yxy	6.3759, 0.1852, 0.0845
Android (android.graphics.Color)	4283438280 (0xFF5014C8)
YUV	58.4600, 69.7792, 18.8906
Hunter-Lab	25.2505, 54.6645, -111.7905

Details

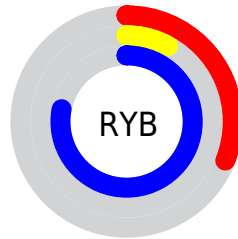
The XYZ color **13.9837, 6.3759, 55.1372** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **31.5941, 46.9337, 8.0555**, and the grayscale version is **3.9948, 4.2028, 4.5769**.

A 20% lighter version of the original color is **32.1021, 18.5084, 96.4883**, and **5.0340, 2.0136, 26.5089** is the 20% darker color. If you saturate the color by 10%, you get **12.7180, 5.3520, 55.0065**, and if you desaturate by 10%, it is **15.7325, 8.0322, 55.3649**.

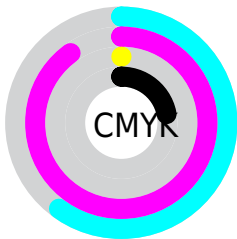
Distribution



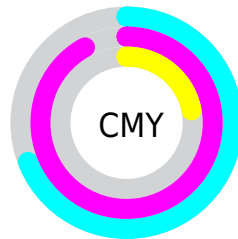
- Red (31%)
- Green (8%)
- Blue (78%)



- Red (31%)
- Yellow (8%)
- Blue (78%)



- Cyan (60%)
- Magenta (90%)
- Yellow (0%)
- Black (22%)



- Cyan (69%)
- Magenta (92%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9837, 6.3759, 55.1372 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 13.9837, 6.3759, 55.1372 by changing the saturation by 10% instead.

■ 13.9837, 6.3759,
55.1372

■ 13.9837, 6.3759,
55.1372

■ 210.6420,
162.3723, 423.7284

■ 8.1910, 3.0750,
39.1122

■ 32.6466, 18.7062,
99.2151

■ 4.2702, 1.1710,
26.5385

■ 46.2475, 28.5044,
128.1051

■ 1.8561, 0.0378,
16.9976

■ 63.1818, 41.2371,
162.1206

■ 0.5511, 0.0000,
10.0708

■ 83.8149, 57.2887,
201.6800

■ 0.0000, 0.0000,
5.3397

■ 108.5121, 77.0436,
247.2020


■ 0.0000, 0.0000,
2.3857

■ 137.6388,


■ 0.0000, 0.0000,

100.8863, 299.1050


0.7787

 171.5603,
129.2010, 357.8076


 0.0000, 0.0000,
0.0000


 13.9837, 6.3759,
55.1372


 13.9837, 6.3759,
55.1372


 12.7180, 5.3520,
55.0065

 15.7325, 8.0322,
55.3649

 18.0648, 10.5068,
55.7196

 21.0398, 13.9000,
56.2178

 24.7079, 18.2974,
56.8733

 29.1143, 23.7743,
57.6982

■ 34.2999, 30.3985,
58.7035

■ 40.3025, 38.2323,
59.8992

■ 47.1572, 47.3333,
61.2945

■ 54.8972, 57.7555,
62.8983

Harmonies

Analogous

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



7.6200, 6.3759, 80.5244



13.9837, 6.3759, 55.1372



19.5426, 6.3759, 21.6074

Triad

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



13.9837, 6.3759, 55.1372



10.0590, 6.3759, 0.0000



0.7279, 6.3759, 11.9468

Complementary

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



13.9837, 6.3759, 55.1372



31.5941, 46.9337, 8.0555

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.



0.8649, 6.3759, 1.0929



13.9837, 6.3759, 55.1372



4.7291, 6.3759, 0.0000

Square

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



13.9837, 6.3759, 55.1372



16.5602, 6.3759, 0.0000



1.8934, 6.3759, 0.0000



1.3217, 6.3759, 40.7307

Rectangle

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



13.9837, 6.3759, 55.1372



20.9292, 6.3759, 7.4562



1.8934, 6.3759, 0.0000



0.6982, 6.3759, 6.4525

Sweetspot

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



13.9842, 6.3760, 55.1374



61.9643, 55.9714, 102.1454



20.0916, 23.0746, 58.0387



12.5364, 11.0399, 21.7201



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.



13.9842, 6.3760, 55.1374



21.7974, 9.1519, 95.2254



27.2529, 13.2163, 55.7584



10.3843, 10.4564, 13.3885



8.1721, 3.4471, 34.9790



0.4641, 0.2030, 1.6599

Inverse Universe

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



28.8024, 14.6727, 26.1210



48.4945, 24.1618, 40.1318



22.0958, 42.0372, 7.6110



10.9270, 10.7542, 12.5987



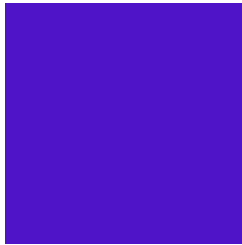
17.8944, 8.9073, 15.1855



0.8799, 0.4348, 0.8907

Previews

White Background



This preview shows how the XYZ color 13.9837, 6.3759, 55.1372 looks on a white background.

Color Contrast Check

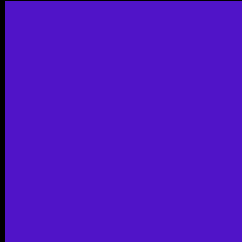
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 13.9837, 6.3759, 55.1372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

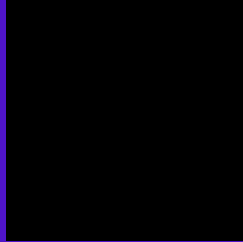
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9837, 6.3759, 55.1372

Background



This preview shows how black text looks on a background with the XYZ color 13.9837, 6.3759, 55.1372.



This preview shows how white text looks on a background with the XYZ color 13.9837, 6.3759,

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

13.9837, 6.3759, 55.1372

Protanopia

7.3785, 6.4556, 28.0513

Deuteranopia

6.1505, 6.3782, 20.3090



Tritanopia

4.8524, 6.4580, 9.7949

Trichromacy



Original Color

13.9837, 6.3759, 55.1372

Protanomaly

8.6176, 5.4704, 36.6781

Deuteranomaly

7.4934, 5.1665, 30.3081

Tritanomaly

6.3825, 5.0939, 20.7255

Monochromacy



Original Color

13.9837, 6.3759, 55.1372

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

5.9619, 4.0854, 15.2262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9837, 6.3759, 55.1372 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(80, 20, 200)` looks like.

```
.text, #text, p{  
    color:rgb(80, 20, 200)  
}
```

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(80, 20, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 20, 200) }
```

Border

The CSS property to change the border of an element to XYZ 13.9837, 6.3759, 55.1372 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(80, 20, 200) }
```


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

```
.border{ border-color:rgb(80, 20, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 20, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 20, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 20, 200);  
box-shadow:4px 4px 4px 4px rgb(80, 20,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9837, 6.3759, 55.1372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 20, 200) }
```

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

```
.background{ background-color: rgb(80, 20,  
200) }
```

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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