

Converting Colors

XYZ(13.8905, 11.5252, 20.1654)

Have a look what the booklet for
XYZ(13.8905, 11.5252, 20.1654)
contains.

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Color

**XYZ(13.8939, 11.5719,
20.2402)**

Conversions

Conversions Part 1

Format	Color
Hex	73557B
RGB	115, 85, 123
RGB Percent	45%, 33%, 48%
CMY	0.5490, 0.6667, 0.5176
CMYK	0.07, 0.31, 0.00, 0.52
HSL	287°, 18%, 41%
HSV	287°, 31%, 48%
XYZ	13.8939, 11.5719, 20.2402
YIQ	98.3020, 5.6820, 18.1780

Conversions

Conversions Part 2

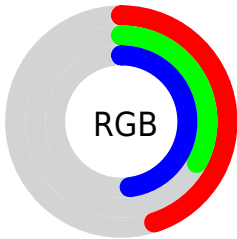
Format	Color
R_{YB}	115, 85, 123
Decimal	7558523
CIE _{Lab}	40.53, 19.74, -16.68
CIE _{LCh}	41, 25.842, 319.795
Yxy	11.5719, 0.3040, 0.2532
Android (android.graphics.Color)	4285748603 (0xFF73557B)
YUV	98.3020, 12.1761, 14.6441
Hunter-Lab	34.0175, 13.3748, -11.4649

Details

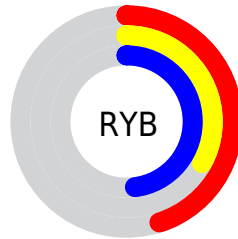
The XYZ color **13.8939, 11.5719, 20.2402** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.2372, 17.1492, 11.2073**, and the grayscale version is **11.6546, 12.2615, 13.3528**.

A 20% lighter version of the original color is **32.4368, 28.6780, 44.9001**, and **4.2083, 3.1037, 6.8558** is the 20% darker color. If you saturate the color by 10%, you get **12.6728, 9.6280, 19.9295**, and if you desaturate by 10%, it is **15.2936, 13.8584, 20.6079**.

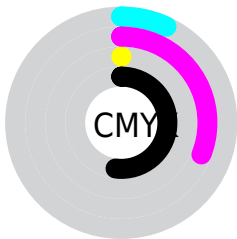
Distribution



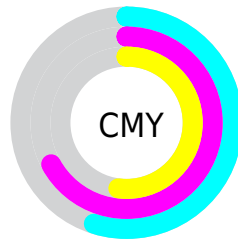
- Red (45%)
- Green (33%)
- Blue (48%)



- Red (45%)
- Yellow (33%)
- Blue (48%)



- Cyan (7%)
- Magenta (31%)
- Yellow (0%)
- Black (52%)



- Cyan (55%)
- Magenta (67%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8939, 11.5719, 20.2402 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 13.8939, 11.5719, 20.2402 by changing the saturation by 10% instead.

■ 13.8939, 11.5719,
20.2402

■ 13.8939, 11.5719,
20.2402

210.0936,
201.5502, 265.8596

■ 8.1281, 6.4529,
12.3840

■ 32.4885, 28.7130,
44.6838

■ 4.2295, 3.1224,
6.8800

■ 46.0480, 41.5038,
62.1082

■ 1.8328, 1.1960,
3.3099

■ 62.9361, 57.6207,
83.5591

■ 0.5373, 0.0584,
1.2550

■ 83.5183, 77.4481,
109.4550

■ 0.0000, 0.0000,
0.0244

■ 108.1597,
101.3704, 140.2145

■ 0.0000, 0.0000,
0.0000

137.2259,

129.7719, 176.2560

171.0820,
163.0370, 217.9982

■ 13.8939, 11.5719,
20.2402

■ 13.8939, 11.5719,
20.2402

■ 12.6728, 9.6280,
19.9295

■ 15.2936, 13.8584,
20.6079

■ 11.6205, 8.0077,
19.6722

■ 16.8791, 16.5023,
21.0347

■ 10.7278, 6.6926,
19.4655

■ 18.6582, 19.5192,
21.5233

■ 9.9840, 5.6616,
19.3056

■ 20.6383, 22.9234,
22.0760

■ 9.3773, 4.8910,
19.1889

■ 22.8261, 26.7284,
22.6951

8.8937, 4.3530,
19.1105

25.2281, 30.9471,
23.3828

8.5163, 3.9773,
19.0579

27.8505, 35.5917,
24.1411

30.6993, 40.6741,
24.9719

33.7801, 46.2055,
25.8772

Harmonies

Analogous

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



12.2270, 11.5719, 24.5786



13.8939, 11.5719, 20.2402



14.8150, 11.5719, 14.4602

Triad

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



13.8939, 11.5719, 20.2402



11.6305, 11.5719, 5.0860



8.0236, 11.5719, 16.3080

Complementary

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



13.8939, 11.5719, 20.2402



13.2372, 17.1492, 11.2073

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.



7.9015, 11.5719, 10.9063



13.8939, 11.5719, 20.2402



9.8556, 11.5719, 5.3265

Square

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



13.8939, 11.5719, 20.2402



13.4160, 11.5719, 6.3906



8.5366, 11.5719, 7.1742



8.8908, 11.5719, 21.9093

Rectangle

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



13.8939, 11.5719, 20.2402



14.8203, 11.5719, 10.9705



8.5366, 11.5719, 7.1742



7.8980, 11.5719, 14.3830

Sweetspot

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



13.8943, 11.5724, 20.2405



30.7338, 30.4070, 37.8059



11.2568, 11.2316, 20.3137



7.1496, 7.0118, 8.8797



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.8943, 11.5724, 20.2405



23.3137, 18.2176, 35.8442



14.3549, 11.8835, 16.9349



4.0758, 4.0370, 5.0076



8.8054, 4.1121, 19.7149



41.2761, 19.2406, 94.0081

Inverse Universe

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



13.3930, 11.4987, 11.8700



22.3231, 18.0975, 18.1536



12.9303, 16.9377, 13.5984



4.0297, 4.0276, 4.3538



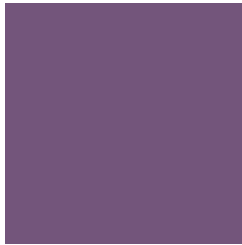
8.6400, 4.4322, 1.3953



40.9540, 21.0380, 5.2880

Previews

White Background



This preview shows how the XYZ color 13.8939, 11.5719, 20.2402 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 13.8939, 11.5719, 20.2402 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 13.8939, 11.5719, 20.2402

Background



This preview shows how black text looks on a background with the XYZ color 13.8939, 11.5719, 20.2402.



This preview shows how white text looks on a background with the XYZ color 13.8939, 11.5719,

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

13.8939, 11.5719, 20.2402

Protanopia

11.8678, 11.7274, 22.7572

Deuteranopia

11.8675, 11.6612, 19.7145



Tritanopia

12.3694, 11.5549, 12.8876

Trichromacy



Original Color

13.8939, 11.5719, 20.2402

Protanomaly

12.3957, 11.5013, 21.6453

Deuteranomaly

12.5095, 11.5966, 19.9914

Tritanomaly

12.7733, 11.4648, 15.1754

Monochromacy



Original Color

13.8939, 11.5719, 20.2402

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.2771, 11.8333, 15.5469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8939, 11.5719, 20.2402 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, 85, 123)` looks like.

```
.text, #text, p{  
    color:rgb(115, 85, 123)  
}
```

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, 85, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 85, 123) }
```

Border

The CSS property to change the border of an element to XYZ 13.8939, 11.5719, 20.2402 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, 85, 123) }
```


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

```
.border{ border-color:rgb(115, 85, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 85, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 85, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 85, 123); box-shadow:4px 4px 4px 4px rgb(115, 85, 123) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8939, 11.5719, 20.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 85, 123) }
```

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

```
.background{ background-color: rgb(115, 85,  
123) }
```

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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