

Converting Colors

XYZ(23.1161, 13.4599, 18.8941)

Have a look what the booklet for
XYZ(23.1161, 13.4599, 18.8941)
contains.

XYZ(23.2393, 13.5539, 18.8441)	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(23.2393, 13.5539,
18.8441)**

Conversions

Conversions Part 1

Format	Color
Hex	B33677
RGB	179, 54, 119
RGB Percent	70%, 21%, 47%
CMY	0.2980, 0.7882, 0.5333
CMYK	0.00, 0.70, 0.34, 0.30
HSL	329°, 54%, 46%
HSV	329°, 70%, 70%
XYZ	23.2393, 13.5539, 18.8441
YIQ	98.7850, 53.6350, 46.7150

Conversions

Conversions Part 2

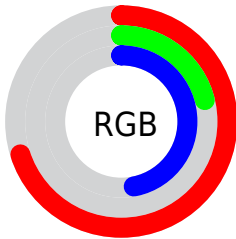
Format	Color
R _Y B	179, 54, 119
Decimal	11744887
CIE Lab	43.59, 55.82, -8.72
CIE LCh	44, 56.494, 351.120
Yxy	13.5539, 0.4177, 0.2436
Android (android.graphics.Color)	4289934967 (0xFFB33677)
YUV	98.7850, 9.9660, 70.3486
Hunter-Lab	36.8156, 48.2481, -4.5767

Details

The XYZ color **23.2393, 13.5539, 18.8441** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **20.6794, 34.2397, 21.4406**, and the grayscale version is **11.7727, 12.3858, 13.4881**.

A 20% lighter version of the original color is **48.1865, 32.2693, 42.2170**, and **9.1634, 4.5925, 6.3647** is the 20% darker color. If you saturate the color by 10%, you get **22.0613, 11.9866, 16.0195**, and if you desaturate by 10%, it is **24.7713, 15.7542, 22.0171**.

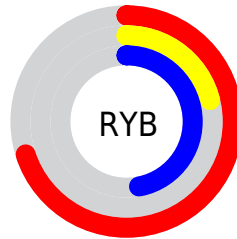
Distribution



Red (70%)

Green (21%)

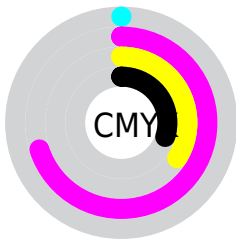
Blue (47%)



Red (70%)

Yellow (21%)

Blue (47%)

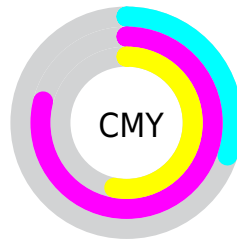


Cyan (0%)

Magenta (70%)

Yellow (34%)

Black (30%)



Cyan (30%)


Magenta (79%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2393, 13.5539, 18.8441 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 23.2393, 13.5539, 18.8441 by changing the saturation by 10% instead.


 23.2393, 13.5539,
18.8441


 23.2393, 13.5539,
18.8441


261.4642,
214.4377, 257.9807


 14.8920, 7.8111,
11.3820


 48.2497, 32.2954,
42.3037


 8.8294, 3.9743,
6.2070

 65.6435, 46.0628,
59.1383


 4.6863, 1.6592,
2.9005

 86.7836, 63.2738,
79.9341

 2.0973, 0.3970,
1.0441

 112.0351, 84.3129,
105.1097

 0.6877, 0.0000,
0.0000

 141.7636,
109.5645, 135.0836

 0.0000, 0.0000,
0.0000

 176.3344,

139.4129, 170.2744

216.1128,
174.2425, 211.1006

■ 23.2393, 13.5539,
18.8441

■ 23.2393, 13.5539,
18.8441

■ 22.0613, 11.9866,
16.0195

■ 24.7713, 15.7542,
22.0171

■ 21.1992, 10.9787,
13.5243

■ 26.6874, 18.6464,
25.5542

■ 20.5794, 10.3846,
11.3276

■ 29.0158, 22.2846,
29.4703

■ 20.5695, 10.3754,
11.2920

■ 31.7815, 26.7173,
33.7794

■ 35.0074, 31.9885,
38.4943

■ 38.7149, 38.1393,
43.6272

■ 42.9237, 45.2078,
49.1897

■ 47.6528, 53.2300,
55.1929

■ 52.9198, 62.2398,
61.6474

Harmonies

Analogous

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



20.6982, 13.5539, 35.9216



23.2393, 13.5539, 18.8441



22.5510, 13.5539, 7.6087

Triad

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



23.2393, 13.5539, 18.8441



10.0558, 13.5539, 1.7049



8.2494, 13.5539, 42.9817

Complementary

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



23.2393, 13.5539, 18.8441



20.6794, 34.2397, 21.4406

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.



6.4684, 13.5539, 25.3835



23.2393, 13.5539, 18.8441



7.3333, 13.5539, 4.1439

Square

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



23.2393, 13.5539, 18.8441



14.2399, 13.5539, 1.4056



6.1765, 13.5539, 11.3097



11.6144, 13.5539, 54.2485

Rectangle

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



23.2393, 13.5539, 18.8441



20.4065, 13.5539, 3.8390



6.1765, 13.5539, 11.3097



7.4810, 13.5539, 37.2573

Sweetspot

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



23.2397, 13.5546, 18.8443



61.7607, 55.7496, 67.6056



16.1813, 9.3606, 43.6017



13.3236, 11.7618, 14.4588



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.2397, 13.5546, 18.8443



38.5830, 20.3443, 26.1217



20.6780, 12.5300, 5.3549



8.6747, 8.5766, 9.7854



14.5685, 7.3450, 8.1536



0.4877, 0.2428, 0.4108

Inverse Universe

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



23.2397, 13.5546, 18.8443



38.5830, 20.3443, 26.1217



25.3633, 36.1133, 46.1055



8.6747, 8.5766, 9.7854



14.5685, 7.3450, 8.1536



0.4877, 0.2428, 0.4108

Previews

White Background



This preview shows how the XYZ color 23.2393, 13.5539, 18.8441 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 23.2393, 13.5539, 18.8441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

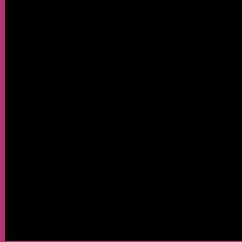
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 23.2393, 13.5539, 18.8441

Background



This preview shows how black text looks on a background with the XYZ color 23.2393, 13.5539, 18.8441.



This preview shows how white text looks on a background with the XYZ color 23.2393, 13.5539,

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

23.2393, 13.5539, 18.8441

Protanopia

14.3493, 13.7960, 31.6124

Deuteranopia

14.0647, 13.8146, 17.5480



Tritanopia

20.8237, 13.5832, 7.4855

Trichromacy



Original Color

23.2393, 13.5539, 18.8441

Protanomaly

15.7279, 12.3835, 26.3723

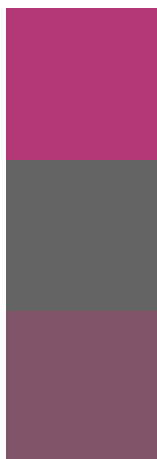
Deuteranomaly

16.2565, 12.7293, 17.8199

Tritanomaly

21.3886, 13.3799, 10.6878

Monochromacy



Original Color

23.2393, 13.5539, 18.8441

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

14.5969, 11.8163, 15.1471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2393, 13.5539, 18.8441 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(179, 54, 119)` looks like.

```
.text, #text, p{  
    color:rgb(179, 54, 119)  
}
```

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(179, 54, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 54, 119) }
```

Border

The CSS property to change the border of an element to XYZ 23.2393, 13.5539, 18.8441 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(179, 54, 119) }
```


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

```
.border{ border-color:rgb(179, 54, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 54, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 54, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 54, 119);  
box-shadow:4px 4px 4px 4px rgb(179, 54,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2393, 13.5539, 18.8441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 54, 119) }
```

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

```
.background{ background-color: rgb(179, 54,  
119) }
```

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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