

Converting Colors

XYZ(23.2717, 20.5277, 33.3077)

Have a look what the booklet for
XYZ(23.2717, 20.5277, 33.3077)
contains.

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Color

**XYZ(23.2335, 20.5747,
33.3186)**

Conversions

Conversions Part 1

Format	Color
Hex	8E749A
RGB	142, 116, 154
RGB Percent	56%, 45%, 60%
CMY	0.4431, 0.5451, 0.3961
CMYK	0.08, 0.25, 0.00, 0.40
HSL	281°, 16%, 53%
HSV	281°, 25%, 60%
XYZ	23.2335, 20.5747, 33.3186
YIQ	128.1060, 3.2980, 17.3300

Conversions

Conversions Part 2

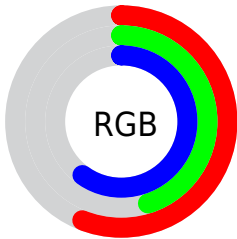
Format	Color
R _Y B	142, 116, 154
Decimal	9335962
CIE Lab	52.48, 17.45, -16.70
CIE LCh	52, 24.158, 316.256
Yxy	20.5747, 0.3012, 0.2668
Android (android.graphics.Color)	4287526042 (0xFF8E749A)
YUV	128.1060, 12.7657, 12.1850
Hunter-Lab	45.3593, 12.0506, -11.7998

Details

The XYZ color **23.2335, 20.5747, 33.3186** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.6107, 28.9618, 20.8698**, and the grayscale version is **20.5115, 21.5797, 23.5002**.

A 20% lighter version of the original color is **48.1527, 44.2951, 65.6864**, and **8.8297, 7.3377, 13.7829** is the 20% darker color. If you saturate the color by 10%, you get **20.7873, 16.8937, 32.7373**, and if you desaturate by 10%, it is **26.0117, 24.8648, 34.0006**.

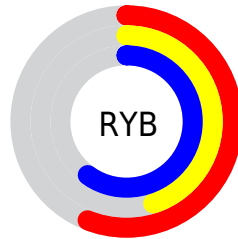
Distribution



Red (56%)

Green (45%)

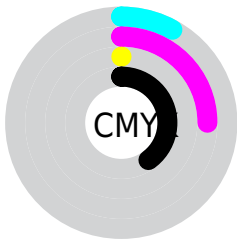
Blue (60%)



Red (56%)

Yellow (45%)

Blue (60%)

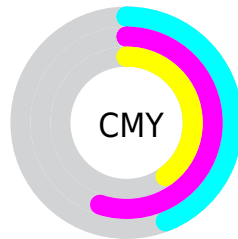


Cyan (8%)

Magenta (25%)

Yellow (0%)

Black (40%)



Cyan (44%)

Magenta (55%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2335, 20.5747, 33.3186 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 23.2335, 20.5747, 33.3186 by changing the saturation by 10% instead.

■ 23.2335, 20.5747,
33.3186

■ 23.2335, 20.5747,
33.3186

261.4350,
255.0095, 331.7589

■ 14.8877, 12.8135,
22.0975

■ 48.2403, 44.3786,
65.9944

■ 8.8264, 7.3002,
13.7296

■ 65.6320, 61.1901,
88.2861

■ 4.6843, 3.6506,
7.7962

■ 86.7696, 81.7872,
115.1052

■ 2.0961, 1.4801,
3.8789

■ 112.0186,
106.5542, 146.8701

■ 0.6871, 0.2746,
1.5592

141.7443,
135.8755, 183.9993

■ 0.0000, 0.0000,
0.2614

176.3120,

■ 0.0000, 0.0000,

170.1356, 226.9115

0.0000

216.0871,
209.7188, 276.0252

■ 23.2335, 20.5747,
33.3186

■ 23.2335, 20.5747,
33.3186

■ 20.7873, 16.8937,
32.7373

■ 26.0117, 24.8648,
34.0006

■ 18.6561, 13.7899,
32.2506

■ 29.1340, 29.7886,
34.7864

■ 16.8245, 11.2326,
31.8535

■ 32.6140, 35.3726,
35.6808

■ 15.2748, 9.1869,
31.5403

■ 36.4641, 41.6407,
36.6877

■ 13.9870, 7.6139,
31.3046

■ 40.6961, 48.6160,
37.8111

■ 12.9385, 6.4691,
31.1389

■ 45.3212, 56.3202,
39.0543

■ 12.1012, 5.6968,
31.0339

■ 50.3501, 64.7742,
40.4211

■ 11.7019, 5.3588,
30.9897

■ 55.7932, 73.9981,
41.9146

■ 61.6605, 84.0110,
43.5380

Harmonies

Analogous

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



20.9308, 20.5747, 38.3662



23.2335, 20.5747, 33.3186



24.6002, 20.5747, 25.8306

Triad

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



23.2335, 20.5747, 33.3186



20.7187, 20.5747, 11.5240



15.2989, 20.5747, 26.4764

Complementary

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



23.2335, 20.5747, 33.3186



23.6107, 28.9618, 20.8698

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.



15.2527, 20.5747, 19.2917



23.2335, 20.5747, 33.3186



18.2421, 20.5747, 11.6245

Square

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



23.2335, 20.5747, 33.3186



23.0669, 20.5747, 13.8642



16.2880, 20.5747, 14.1762



16.4201, 20.5747, 33.8773

Rectangle

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



23.2335, 20.5747, 33.3186



24.7273, 20.5747, 20.9370



16.2880, 20.5747, 14.1762



15.1606, 20.5747, 23.9346

Sweetspot

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



23.2341, 20.5756, 33.3191



51.4651, 51.7969, 62.8216



20.7595, 21.4940, 33.6268



11.5787, 11.6128, 14.2016



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.2341, 20.5756, 33.3191



39.5005, 33.2820, 59.8785



24.8415, 21.4693, 30.4527



6.2714, 6.2258, 7.8001



9.5718, 4.3855, 25.2497



0.1802, 0.0847, 0.3792

Inverse Universe

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



23.4688, 20.9202, 23.2240



40.0895, 34.0757, 37.7678



22.3319, 28.2539, 23.0054



6.2852, 6.2532, 6.8818



11.3175, 5.7812, 2.9309



0.1844, 0.0925, 0.1238

Previews

White Background



This preview shows how the XYZ color 23.2335, 20.5747, 33.3186 looks on a white 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

Black Background



This preview shows how the XYZ color 23.2335, 20.5747, 33.3186 looks on a black 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

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

XYZ 23.2335, 20.5747, 33.3186

Background



This preview shows how black text looks on a background with the XYZ color 23.2335, 20.5747, 33.3186.



This preview shows how white text looks on a background with the XYZ color 23.2335, 20.5747,

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

23.2335, 20.5747, 33.3186

Protanopia

20.7553, 20.6664, 36.1528

Deuteranopia

21.1449, 20.7509, 33.0279



Tritanopia

21.2270, 20.4479, 23.9472

Trichromacy



Original Color

23.2335, 20.5747, 33.3186

Protanomaly

21.4664, 20.5033, 35.1739

Deuteranomaly

21.8263, 20.5581, 32.9547

Tritanomaly

21.9045, 20.5467, 27.2375

Monochromacy



Original Color

23.2335, 20.5747, 33.3186

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.3959, 21.2080, 26.6328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2335, 20.5747, 33.3186 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(142, 116, 154)` looks like.

```
.text, #text, p{  
    color:rgb(142, 116, 154)  
}
```

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(142, 116, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 116, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.2335, 20.5747, 33.3186 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(142, 116, 154) }
```


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

```
.border{ border-color:rgb(142, 116, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 116, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 116, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 116, 154);  
box-shadow:4px 4px 4px 4px rgb(142, 116,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2335, 20.5747, 33.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 116, 154) }
```

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

```
.background{ background-color: rgb(142,  
116, 154) }
```

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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