

Converting Colors

XYZ(23.0404, 20.0800, 38.6936)

Have a look what the booklet for
XYZ(23.0404, 20.0800, 38.6936)
contains.

XYZ(23.0536, 20.0220, 38.7260)	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(23.0536, 20.0220,
38.7260)**

Conversions

Conversions Part 1

Format	Color
Hex	8872A6
RGB	136, 114, 166
RGB Percent	53%, 45%, 65%
CMY	0.4667, 0.5529, 0.3490
CMYK	0.18, 0.31, 0.00, 0.35
HSL	265°, 23%, 55%
HSV	265°, 31%, 65%
XYZ	23.0536, 20.0220, 38.7260
YIQ	126.5060, -3.5800, 20.8360

Conversions

Conversions Part 2

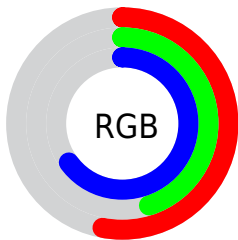
Format	Color
R_{YB}	136, 114, 166
Decimal	8942246
CIE _{Lab}	51.86, 19.31, -24.70
CIE _{LCh}	52, 31.352, 308.020
Yxy	20.0220, 0.2818, 0.2448
Android (android.graphics.Color)	4287132326 (0xFF8872A6)
YUV	126.5060, 19.4705, 8.3262
Hunter-Lab	44.7459, 13.6597, -19.9912

Details

The XYZ color **23.0536, 20.0220, 38.7260** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.1756, 34.4171, 21.0785**, and the grayscale version is **19.9406, 20.9791, 22.8462**.

A 20% lighter version of the original color is **47.9226, 43.4400, 74.2656**, and **8.7318, 7.0426, 16.8187** is the 20% darker color. If you saturate the color by 10%, you get **19.8620, 15.8452, 38.0883**, and if you desaturate by 10%, it is **26.7254, 24.9517, 39.4843**.

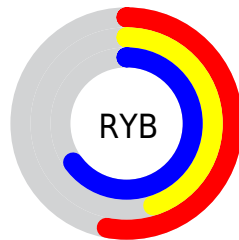
Distribution



Red (53%)

Green (45%)

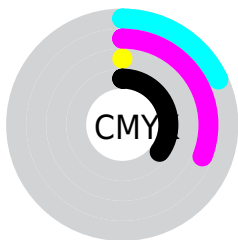
Blue (65%)



Red (53%)

Yellow (45%)

Blue (65%)

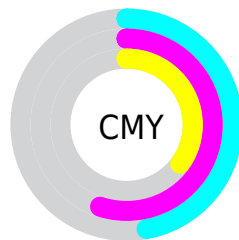


Cyan (18%)

Magenta (31%)

Yellow (0%)

Black (35%)



Cyan (47%)

Magenta (55%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0536, 20.0220, 38.7260 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 23.0536, 20.0220, 38.7260 by changing the saturation by 10% instead.

■ 23.0536, 20.0220,
38.7260

■ 23.0536, 20.0220,
38.7260

260.5304,
252.0342, 356.1153

■ 14.7540, 12.4110,
26.2404

■ 47.9473, 43.4541,
74.4353

■ 8.7321, 7.0243,
16.7762

■ 65.2722, 60.0440,
98.4961

■ 4.6226, 3.4773,
9.9148

■ 86.3362, 80.3956,
127.2524

■ 2.0600, 1.3857,
5.2376

■ 111.5046,
104.8934, 161.1227

■ 0.6673, 0.2061,
2.3262

141.1429,
133.9218, 200.5256

■ 0.0000, 0.0000,
0.7458

175.6164,

■ 0.0000, 0.0000,

167.8651, 245.8797

0.0000

215.2904,
207.1078, 297.6034

■ 23.0536, 20.0220,
38.7260

■ 23.0536, 20.0220,
38.7260

■ 19.8620, 15.8452,
38.0883

■ 26.7254, 24.9517,
39.4843

■ 17.1265, 12.3801,
37.5637

■ 30.8958, 30.6677,
40.3678

■ 14.8239, 9.5855,
37.1456

■ 35.5847, 37.2043,
41.3824

■ 12.9278, 7.4144,
36.8265

■ 40.8104, 44.5929,
42.5331

■ 11.4087, 5.8137,
36.5976

■ 46.5899, 52.8634,
43.8249

■ 10.2318, 4.7208,
36.4487

■ 52.9399, 62.0441,
45.2622

■ 9.4255, 4.0639,
36.3644

■ 59.8760, 72.1621,
46.8496

■ 67.4133, 83.2434,
48.5913

■ 72.8268, 89.8335,
49.5780

Harmonies

Analogous

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



19.8969, 20.0220, 44.1657



23.0536, 20.0220, 38.7260



25.2874, 20.0220, 29.0397

Triad

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



23.0536, 20.0220, 38.7260



21.4137, 20.0220, 9.2532



13.5914, 20.0220, 24.3381

Complementary

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



23.0536, 20.0220, 38.7260



28.1756, 34.4171, 21.0785

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.



13.9012, 20.0220, 15.8771



23.0536, 20.0220, 38.7260



18.1893, 20.0220, 8.6444

Square

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



23.0536, 20.0220, 38.7260



24.2695, 20.0220, 12.6899



15.5047, 20.0220, 10.7039



14.6052, 20.0220, 34.4742

Rectangle

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



23.0536, 20.0220, 38.7260



25.8243, 20.0220, 22.4117



15.5047, 20.0220, 10.7039



13.5465, 20.0220, 21.2006

Sweetspot

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



23.0543, 20.0228, 38.7264



57.8271, 58.0892, 73.6398



23.8468, 26.3789, 39.9115



12.6829, 12.6421, 16.4238



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.



23.0543, 20.0228, 38.7264



37.4823, 30.6143, 69.4089



27.7335, 22.4350, 38.9454



7.4214, 7.4498, 9.4652



7.3601, 3.1777, 28.2009



0.2379, 0.1076, 0.6889

Inverse Universe

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



26.7778, 22.1559, 29.2513



45.5529, 35.2436, 48.6053



24.1907, 32.3628, 20.8920



7.7057, 7.6121, 8.7673



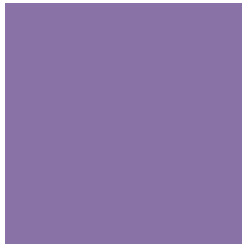
13.8474, 6.9477, 9.2737



0.3617, 0.1789, 0.3559

Previews

White Background



This preview shows how the XYZ color 23.0536, 20.0220, 38.7260 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 23.0536, 20.0220, 38.7260 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 23.0536, 20.0220, 38.7260

Background



This preview shows how black text looks on a background with the XYZ color 23.0536, 20.0220, 38.7260.



This preview shows how white text looks on a background with the XYZ color 23.0536, 20.0220,

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

23.0536, 20.0220, 38.7260

Protanopia

20.7126, 20.1488, 41.8272

Deuteranopia

20.4704, 20.1101, 37.9247



Tritanopia

20.0726, 20.0323, 23.9278

Trichromacy



Original Color

23.0536, 20.0220, 38.7260

Protanomaly

21.4603, 20.0179, 40.7630

Deuteranomaly

21.2735, 19.9752, 38.3317

Tritanomaly

20.9521, 19.8456, 28.7129

Monochromacy



Original Color

23.0536, 20.0220, 38.7260

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.9732, 20.5880, 28.0678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0536, 20.0220, 38.7260 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(136, 114, 166)` looks like.

```
.text, #text, p{  
    color:rgb(136, 114, 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(136, 114, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 114, 166) }
```

Border

The CSS property to change the border of an element to XYZ 23.0536, 20.0220, 38.7260 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(136, 114, 166) }
```


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

```
.border{ border-color:rgb(136, 114, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 114, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 114, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 114, 166);  
box-shadow:4px 4px 4px 4px rgb(136, 114,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0536, 20.0220, 38.7260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 114, 166) }
```

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

```
.background{ background-color: rgb(136,  
114, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor