

Converting Colors

XYZ(22.9735, 23.2379, 36.5324)

Have a look what the booklet for
XYZ(22.9735, 23.2379, 36.5324)
contains.

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Color

**XYZ(22.9189, 23.1306,
36.5144)**

Conversions

Conversions Part 1

Format	Color
Hex	7D83A0
RGB	125, 131, 160
RGB Percent	49%, 51%, 63%
CMY	0.5098, 0.4863, 0.3725
CMYK	0.22, 0.18, 0.00, 0.37
HSL	230°, 16%, 56%
HSV	230°, 22%, 63%
XYZ	22.9189, 23.1306, 36.5144
YIQ	132.5120, -12.8850, 7.7470

Conversions

Conversions Part 2

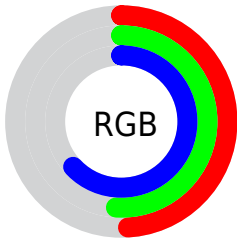
Format	Color
R_{YB}	125, 130, 160
Decimal	8225696
CIE _{Lab}	55.21, 4.29, -16.18
CIE _{LCh}	55, 16.740, 284.835
Yxy	23.1306, 0.2776, 0.2802
Android (android.graphics.Color)	4286415776 (0xFF7D83A0)
YUV	132.5120, 13.5516, -6.5880
Hunter-Lab	48.0943, 0.8976, -11.3485

Details

The XYZ color **22.9189, 23.1306, 36.5144** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **29.7548, 32.0656, 24.0237**, and the grayscale version is **22.0735, 23.2230, 25.2899**.

A 20% lighter version of the original color is **47.7663, 48.6523, 71.1632**, and **8.6257, 8.6132, 15.3952** is the 20% darker color. If you saturate the color by 10%, you get **19.1007, 18.6865, 35.8582**, and if you desaturate by 10%, it is **27.3427, 28.2262, 37.2652**.

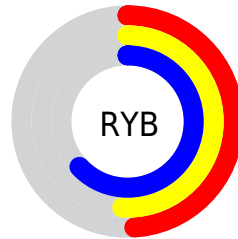
Distribution



Red (49%)

Green (51%)

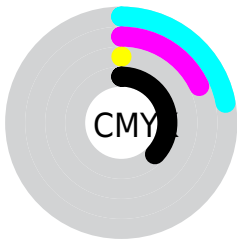
Blue (63%)



Red (49%)

Yellow (51%)

Blue (63%)

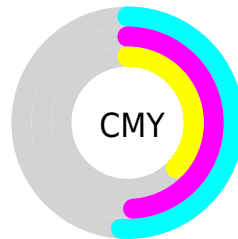


Cyan (22%)

Magenta (18%)

Yellow (0%)

Black (37%)



Cyan (51%)

Magenta (49%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9189, 23.1306, 36.5144 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 22.9189, 23.1306, 36.5144 by changing the saturation by 10% instead.

■ 22.9189, 23.1306,
36.5144

■ 22.9189, 23.1306,
36.5144

259.8513,
268.3951, 346.3085

■ 14.6540, 14.6900,
24.5389

■ 47.7278, 48.6077,
71.0033

■ 8.6616, 8.6021,
15.5180

■ 65.0024, 66.4129,
94.3537

■ 4.5765, 4.4826,
9.0331

■ 86.0111, 88.1085,
122.3329

■ 2.0332, 1.9470,
4.6656

111.1191,
114.0788, 155.3593

■ 0.6525, 0.5764,
1.9972

140.6917,
144.7082, 193.8515

■ 0.0000, 0.0000,
0.5535

175.0944,

■ 0.0000, 0.0000,

180.3811, 238.2281

0.0000

214.6925,
221.4819, 288.9076

■ 22.9189, 23.1306,
36.5144

■ 22.9189, 23.1306,
36.5144

■ 19.1007, 18.6865,
35.8582

■ 27.3427, 28.2262,
37.2652

■ 15.8593, 14.8647,
35.2914

■ 32.3948, 33.9954,
38.1125

■ 13.1669, 11.6379,
34.8105

■ 38.0994, 40.4627,
39.0601

■ 10.9925, 8.9756,
34.4112

■ 44.4787, 47.6505,
40.1113

■ 9.3017, 6.8444,
34.0889

■ 51.5541, 55.5803,
41.2690

■ 8.0561, 5.2076,
33.8386

■ 59.3457, 64.2725,
42.5361

■ 7.2109, 4.0231,
33.6546

■ 67.8731, 73.7469,
43.9154

■ 6.7472, 3.3420,
33.5475

■ 77.1548, 84.0225,
45.4096

■ 81.8684, 92.3643,
46.7713

Harmonies

Analogous

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



21.0573, 23.1306, 36.4948



22.9189, 23.1306, 36.5144



24.6200, 23.1306, 33.2201

Triad

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



22.9189, 23.1306, 36.5144



24.6358, 23.1306, 18.5975



18.6925, 23.1306, 22.5853

Complementary

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



22.9189, 23.1306, 36.5144



29.7548, 32.0656, 24.0237

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.



19.5449, 23.1306, 18.5632



22.9189, 23.1306, 36.5144



22.9395, 23.1306, 16.4930

Square

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



22.9189, 23.1306, 36.5144



25.6488, 23.1306, 22.6385



21.0767, 23.1306, 16.4815



18.6877, 23.1306, 27.9162

Rectangle

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



22.9189, 23.1306, 36.5144



25.4041, 23.1306, 29.8249



21.0767, 23.1306, 16.4815



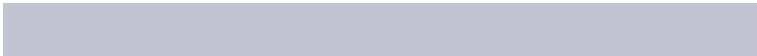
18.8872, 23.1306, 21.0536

Sweetspot

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



22.9196, 23.1315, 36.5149



53.8482, 56.0592, 68.3689



26.8268, 31.8213, 35.1189



11.7024, 12.1720, 14.9763



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.9196, 23.1315, 36.5149



38.2730, 38.1214, 65.7275



23.8462, 22.4472, 36.3340



6.3721, 6.6100, 8.3467



5.2795, 2.6505, 26.1406



0.1169, 0.0923, 0.4749

Inverse Universe

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



25.9281, 23.7801, 24.6972



44.7058, 39.6065, 40.4368



28.6522, 33.0045, 24.2630



6.6772, 6.6638, 7.1511



11.4630, 5.8898, 1.4235



0.2163, 0.1098, 0.0851

Previews

White Background



This preview shows how the XYZ color 22.9189, 23.1306, 36.5144 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 22.9189, 23.1306, 36.5144 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

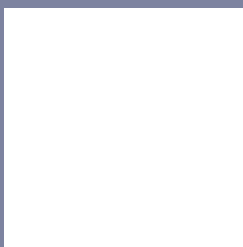
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9189, 23.1306, 36.5144

Background



This preview shows how black text looks on a background with the XYZ color 22.9189, 23.1306, 36.5144.



This preview shows how white text looks on a background with the XYZ color 22.9189, 23.1306,

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

22.9189, 23.1306, 36.5144

Protanopia

23.0656, 23.2063, 36.5213

Deuteranopia

23.5555, 23.0639, 36.4680



Tritanopia

21.5852, 23.2014, 29.7262

Trichromacy



Original Color

22.9189, 23.1306, 36.5144

Protanomaly

23.0656, 23.2063, 36.5213

Deuteranomaly

23.3811, 23.1705, 36.4977

Tritanomaly

22.0609, 23.1880, 32.1672

Monochromacy



Original Color

22.9189, 23.1306, 36.5144

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.4151, 23.2315, 29.2893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9189, 23.1306, 36.5144 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(125, 131, 160)` looks like.

```
.text, #text, p{  
    color:rgb(125, 131, 160)  
}
```

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(125, 131, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 131, 160) }
```

Border

The CSS property to change the border of an element to XYZ 22.9189, 23.1306, 36.5144 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(125, 131, 160) }
```


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

```
.border{ border-color:rgb(125, 131, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 131, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 131, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 131, 160);  
box-shadow:4px 4px 4px 4px rgb(125, 131,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9189, 23.1306, 36.5144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 131, 160) }
```

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

```
.background{ background-color: rgb(125,  
131, 160) }
```

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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