

Converting Colors

XYZ(23.0531, 27.6938, 51.1234)

Have a look what the booklet for
XYZ(23.0531, 27.6938, 51.1234)
contains.

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Color

**XYZ(23.1085, 27.7868,
51.1591)**

Conversions

Conversions Part 1

Format	Color
Hex	4999BB
RGB	73, 153, 187
RGB Percent	29%, 60%, 73%
CMY	0.7137, 0.4000, 0.2667
CMYK	0.61, 0.18, 0.00, 0.27
HSL	198°, 46%, 51%
HSV	198°, 61%, 73%
XYZ	23.1085, 27.7868, 51.1591
YIQ	132.9560, -58.5940, -6.3860

Conversions

Conversions Part 2

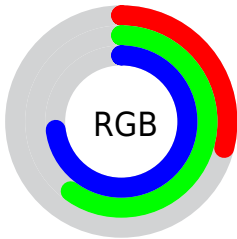
Format	Color
R_{YB}	73, 120, 187
Decimal	4823483
CIE _{Lab}	59.70, -14.21, -24.97
CIE _{LCh}	60, 28.732, 240.365
Yxy	27.7868, 0.2264, 0.2723
Android (android.graphics.Color)	4283013563 (0xFF4999BB)
YUV	132.9560, 26.6437, -52.5814
Hunter-Lab	52.7132, -13.9969, -20.6428

Details

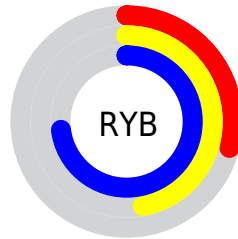
The XYZ color **23.1085, 27.7868, 51.1591** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.9546, 21.5622, 9.0456**, and the grayscale version is **22.2007, 23.3568, 25.4356**.

A 20% lighter version of the original color is **47.8506, 55.9220, 93.0661**, and **9.0544, 11.2240, 24.2435** is the 20% darker color. If you saturate the color by 10%, you get **21.0075, 25.3806, 50.8059**, and if you desaturate by 10%, it is **25.6800, 30.5000, 51.5478**.

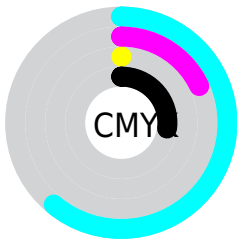
Distribution



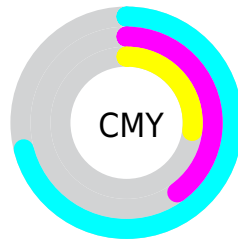
- Red (29%)
- Green (60%)
- Blue (73%)



- Red (29%)
- Yellow (47%)
- Blue (73%)



- Cyan (61%)
- Magenta (18%)
- Yellow (0%)
- Black (27%)



- Cyan (71%)
- Magenta (40%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1085, 27.7868, 51.1591 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 23.1085, 27.7868, 51.1591 by changing the saturation by 10% instead.

■ 23.1085, 27.7868,
51.1591

■ 23.1085, 27.7868,
51.1591

260.8067,
291.4468, 408.0458

■ 14.7948, 18.1650,
35.9576

■ 48.0368, 56.1439,
93.3038

■ 8.7609, 11.0685,
24.1120

■ 65.3820, 75.6480,
121.0841

■ 4.6414, 6.1129,
15.2038

■ 86.4685, 99.2149,
153.8945

■ 2.0710, 2.9139,
8.8143

■ 111.6616,
127.2291, 192.1535

■ 0.6734, 1.0869,
4.5251

■ 141.3266,
160.0751, 236.2795

■ 0.0000, 0.0000,
1.9176

175.8289,

■ 0.0000, 0.0000,

198.1370, 286.6912

0.5039

215.5338,
241.7995, 343.8071

■ 0.0000, 0.0000,
0.0000

■ 23.1085, 27.7868,
51.1591

■ 23.1085, 27.7868,
51.1591

■ 21.0075, 25.3806,
50.8059

■ 25.6800, 30.5000,
51.5478

■ 19.3340, 23.2567,
50.4842

■ 28.7543, 33.5360,
51.9718

■ 18.0415, 21.3909,
50.1921

■ 32.3640, 36.9131,
52.4334

■ 17.1168, 19.8820,
49.9497

■ 36.5380, 40.6469,
52.9341

■ 41.3031, 44.7520,
53.4753

■ 46.6842, 49.2421,
54.0583

■ 52.7049, 54.1301,
54.6845

■ 59.3873, 59.4280,
55.3549

■ 66.7525, 65.1477,
56.0707

Harmonies

Analogous

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



20.8362, 27.7868, 41.5221



23.1085, 27.7868, 51.1591



26.4550, 27.7868, 54.9588

Triad

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



23.1085, 27.7868, 51.1591



34.0201, 27.7868, 30.1280



23.0382, 27.7868, 16.0816

Complementary

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



23.1085, 27.7868, 51.1591



26.9546, 21.5622, 9.0456

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.



26.3661, 27.7868, 14.3494



23.1085, 27.7868, 51.1591



32.8997, 27.7868, 21.2364

Square

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



23.1085, 27.7868, 51.1591



32.9511, 27.7868, 41.2505



30.0130, 27.7868, 15.9982



20.7983, 27.7868, 21.4110

Rectangle

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



23.1085, 27.7868, 51.1591



28.9138, 27.7868, 53.1208



30.0130, 27.7868, 15.9982



24.0561, 27.7868, 15.1222

Sweetspot

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



23.1094, 27.7878, 51.1598



67.6109, 74.6938, 95.0553



23.0840, 37.9839, 19.5617



14.3652, 15.9913, 20.8721



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.1094, 27.7878, 51.1598



36.5786, 44.1776, 90.8006



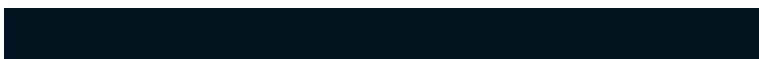
16.0579, 13.6847, 48.8093



9.5618, 10.3159, 12.1594



11.8589, 13.8295, 34.4372



0.5190, 0.6507, 1.3671

Inverse Universe

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



28.6266, 17.6307, 32.0323



47.8581, 26.4453, 51.0156



34.6701, 36.9932, 11.6174



9.8054, 9.6465, 11.3644



16.9866, 8.4258, 15.7548



0.6929, 0.3411, 0.7620

Previews

White Background



This preview shows how the XYZ color 23.1085, 27.7868, 51.1591 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 23.1085, 27.7868, 51.1591 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 23.1085, 27.7868, 51.1591

Background



This preview shows how black text looks on a background with the XYZ color 23.1085, 27.7868, 51.1591.

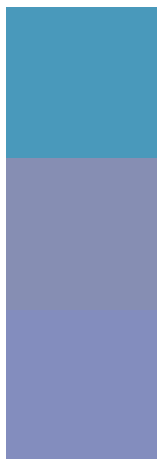


This preview shows how white text looks on a background with the XYZ color 23.1085, 27.7868,

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

23.1085, 27.7868, 51.1591

Protanopia

27.6412, 27.6690, 46.5316

Deuteranopia

28.1792, 27.5928, 52.5559



Tritanopia

21.2299, 27.7653, 41.7764

Trichromacy



Original Color

23.1085, 27.7868, 51.1591

Protanomaly

25.4045, 27.3799, 48.2019

Deuteranomaly

25.7411, 27.2399, 52.0452

Tritanomaly

21.9417, 27.8062, 45.2850

Monochromacy



Original Color

23.1085, 27.7868, 51.1591

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.6834, 24.4356, 33.7107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1085, 27.7868, 51.1591 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(73, 153, 187)` looks like.

```
.text, #text, p{  
    color:rgb(73, 153, 187)  
}
```

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(73, 153, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 153, 187) }
```

Border

The CSS property to change the border of an element to XYZ 23.1085, 27.7868, 51.1591 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(73, 153, 187) }
```


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

```
.border{ border-color:rgb(73, 153, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 153, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 153, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 153, 187);  
box-shadow:4px 4px 4px 4px rgb(73, 153,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1085, 27.7868, 51.1591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 153, 187) }
```

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

```
.background{ background-color: rgb(73, 153,  
187) }
```

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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