

Converting Colors

XYZ(23.1835, 29.4878, 55.5087)

Have a look what the booklet for
XYZ(23.1835, 29.4878, 55.5087)
contains.

XYZ(23.1835, 29.4878, 55.5087)	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(23.1835, 29.4878,
55.5087)**

Conversions

Conversions Part 1

Format	Color
Hex	28A0C2
RGB	40, 160, 194
RGB Percent	16%, 63%, 76%
CMY	0.8431, 0.3725, 0.2392
CMYK	0.79, 0.18, 0.00, 0.24
HSL	193°, 66%, 46%
HSV	193°, 79%, 76%
XYZ	23.1835, 29.4878, 55.5087
YIQ	127.9960, -82.4340, -14.8660

Conversions

Conversions Part 2

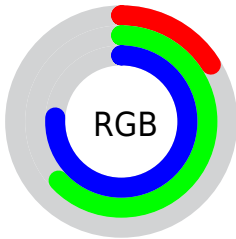
Format	Color
R_{YB}	40, 107, 194
Decimal	2662594
CIE _{Lab}	61.21, -20.40, -26.65
CIE _{LCh}	61, 33.560, 232.572
Yxy	29.4878, 0.2143, 0.2726
Android (android.graphics.Color)	4280852674 (0xFF28A0C2)
YUV	127.9960, 32.5400, -77.1725
Hunter-Lab	54.3027, -18.8225, -22.5949

Details

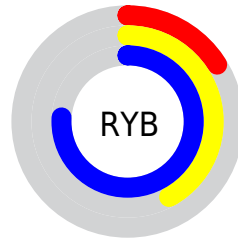
The XYZ color **23.1835, 29.4878, 55.5087** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **25.0812, 16.5219, 3.8758**, and the grayscale version is **20.4294, 21.4933, 23.4062**.

A 20% lighter version of the original color is **48.2686, 58.9454, 100.1004**, and **10.0962, 12.6186, 26.7144** is the 20% darker color. If you saturate the color by 10%, you get **21.8802, 27.7330, 55.2393**, and if you desaturate by 10%, it is **24.8926, 31.4908, 55.8058**.

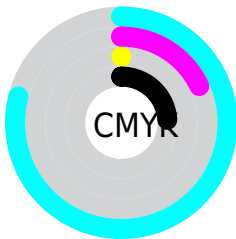
Distribution



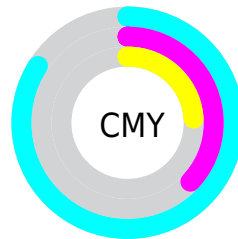
- Red (16%)
- Green (63%)
- Blue (76%)



- Red (16%)
- Yellow (42%)
- Blue (76%)



- Cyan (79%)
- Magenta (18%)
- Yellow (0%)
- Black (24%)



- Cyan (84%)
- Magenta (37%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1835, 29.4878, 55.5087 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 23.1835, 29.4878, 55.5087 by changing the saturation by 10% instead.

■ 23.1835, 29.4878,
55.5087

■ 23.1835, 29.4878,
55.5087

261.1839,
299.5096, 425.1735

■ 14.8505, 19.4501,
39.4078

■ 48.1589, 58.8512,
99.7645

■ 8.8002, 11.9960,
26.7669

■ 65.5320, 78.9458,
128.7565

■ 4.6671, 6.7409,
17.1673

■ 86.6492, 103.1614,
162.8826

■ 2.0860, 3.3006,
10.1906

■ 111.8758,
131.8825, 202.5613

■ 0.6816, 1.2906,
5.4183

■ 141.5773,
165.4935, 248.2112

■ 0.0000, 0.1339,
2.4317

176.1188,

■ 0.0000, 0.0000,

204.3787, 300.2509

0.8036

215.8659,
248.9226, 359.0988

■ 0.0000, 0.0000,
0.0000

■ 23.1835, 29.4878,
55.5087

■ 23.1835, 29.4878,
55.5087

■ 21.8802, 27.7330,
55.2393

■ 24.8926, 31.4908,
55.8058

■ 20.8897, 26.1766,
54.9910

■ 27.0546, 33.7651,
56.1309

■ 20.8313, 26.0823,
54.9759

■ 29.7130, 36.3341,
56.4866

■ 32.9055, 39.2175,
56.8749

■ 36.6657, 42.4329,
57.2974

■ 41.0245, 45.9968,
57.7555

■ 46.0105, 49.9241,
58.2508

■ 51.6504, 54.2290,
58.7844

■ 57.9694, 58.9248,
59.3578

Harmonies

Analogous

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



20.9043, 29.4878, 42.3590



23.1835, 29.4878, 55.5087



26.9453, 29.4878, 62.7072

Triad

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



23.1835, 29.4878, 55.5087



37.3037, 29.4878, 35.3499



24.8971, 29.4878, 14.4993

Complementary

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



23.1835, 29.4878, 55.5087



25.0812, 16.5219, 3.8758

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.



29.1378, 29.4878, 13.5460



23.1835, 29.4878, 55.5087



36.6083, 29.4878, 23.6593

Square

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



23.1835, 29.4878, 55.5087



35.3141, 29.4878, 49.2421



33.5027, 29.4878, 16.4267



21.8189, 29.4878, 19.4947

Rectangle

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



23.1835, 29.4878, 55.5087



29.9136, 29.4878, 62.1177



33.5027, 29.4878, 16.4267



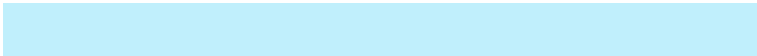
26.2219, 29.4878, 13.7600

Sweetspot

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



23.1845, 29.4888, 55.5094



70.2332, 80.0210, 104.2137



21.3827, 39.5214, 12.8705



14.7681, 17.0193, 22.7566



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.1845, 29.4888, 55.5094



38.3410, 48.2163, 99.7557



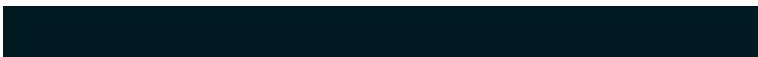
13.7560, 10.6319, 52.3666



10.1738, 11.0389, 12.8793



13.7587, 17.2738, 36.1656



0.6423, 0.8420, 1.5785

Inverse Universe

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



29.3530, 15.5261, 34.7085



50.8140, 25.2046, 56.5238



33.5973, 33.5541, 6.7145



10.3990, 10.2082, 12.1918



18.3407, 9.0260, 20.2380



0.8166, 0.3996, 1.0015

Previews

White Background



This preview shows how the XYZ color 23.1835, 29.4878, 55.5087 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 23.1835, 29.4878, 55.5087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

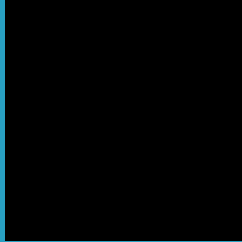
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1835, 29.4878, 55.5087

Background



This preview shows how black text looks on a background with the XYZ color 23.1835, 29.4878, 55.5087.

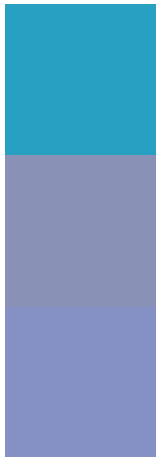


This preview shows how white text looks on a background with the XYZ color 23.1835, 29.4878,

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

23.1835, 29.4878, 55.5087

Protanopia

29.1539, 29.0730, 48.8748

Deuteranopia

29.8763, 29.2686, 56.8981



Tritanopia

21.1307, 29.4305, 45.6413

Trichromacy



Original Color

23.1835, 29.4878, 55.5087

Protanomaly

25.3555, 28.2253, 51.1254

Deuteranomaly

26.0157, 28.4509, 56.3449

Tritanomaly

21.8443, 29.4537, 49.3336

Monochromacy



Original Color

23.1835, 29.4878, 55.5087

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.8695, 23.5100, 33.1964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1835, 29.4878, 55.5087 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(40, 160, 194)` looks like.

```
.text, #text, p{  
    color:rgb(40, 160, 194)  
}
```

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(40, 160, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 160, 194) }
```

Border

The CSS property to change the border of an element to XYZ 23.1835, 29.4878, 55.5087 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(40, 160, 194) }
```


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

```
.border{ border-color:rgb(40, 160, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 160, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 160, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 160, 194);  
box-shadow:4px 4px 4px 4px rgb(40, 160,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1835, 29.4878, 55.5087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 160, 194) }
```

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

```
.background{ background-color: rgb(40, 160,  
194) }
```

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