

Converting Colors

XYZ(23.2461, 29.3281, 52.5458)

Have a look what the booklet for
XYZ(23.2461, 29.3281, 52.5458)
contains.

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Color

**XYZ(23.2708, 29.3403,
52.5808)**

Conversions

Conversions Part 1

Format	Color
Hex	399FBD
RGB	57, 159, 189
RGB Percent	22%, 62%, 74%
CMY	0.7764, 0.3765, 0.2588
CMYK	0.70, 0.16, 0.00, 0.26
HSL	194°, 54%, 48%
HSV	194°, 70%, 74%
XYZ	23.2708, 29.3403, 52.5808
YIQ	131.9220, -70.4220, -12.2940

Conversions

Conversions Part 2

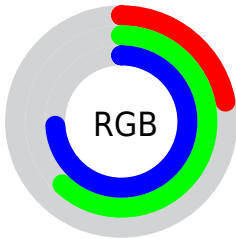
Format	Color
R _Y B	57, 115, 189
Decimal	3776445
CIE Lab	61.08, -19.45, -24.01
CIE LCh	61, 30.901, 230.994
Yxy	29.3403, 0.2212, 0.2789
Android (android.graphics.Color)	4281966525 (0xFF399FBD)
YUV	131.9220, 28.1395, -65.7066
Hunter-Lab	54.1667, -18.1055, -19.6374

Details

The XYZ color **23.2708, 29.3403, 52.5808** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **25.1340, 17.9319, 6.0085**, and the grayscale version is **21.8253, 22.9619, 25.0055**.

A 20% lighter version of the original color is **48.2737, 58.6788, 95.1680**, and **9.7016, 12.2930, 25.1540** is the 20% darker color. If you saturate the color by 10%, you get **21.6613, 27.4335, 52.2981**, and if you desaturate by 10%, it is **25.3088, 31.5072, 52.8922**.

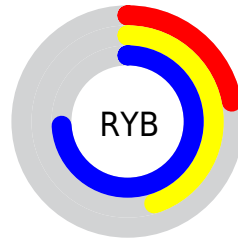
Distribution



Red (22%)

Green (62%)

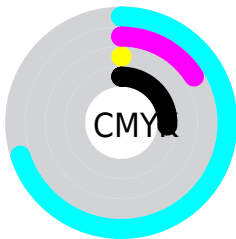
Blue (74%)



Red (22%)

Yellow (45%)

Blue (74%)

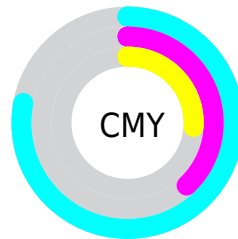


Cyan (70%)

Magenta (16%)

Yellow (0%)

Black (26%)



Cyan (78%)

Magenta (38%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2708, 29.3403, 52.5808 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 23.2708, 29.3403, 52.5808 by changing the saturation by 10% instead.

■ 23.2708, 29.3403,
52.5808

■ 23.2708, 29.3403,
52.5808

■ 261.6223,
298.8172, 413.6953

■ 14.9154, 19.3384,
37.0828

■ 48.3010, 58.6173,
95.4225

■ 8.8460, 11.9151,
24.9753

■ 65.7065, 78.6612,
123.6033

■ 4.6971, 6.6859,
15.8398

■ 86.8594, 102.8213,
156.8488

■ 2.1036, 3.2664,
9.2577

■ 112.1250,
131.4818, 195.5775

■ 0.6912, 1.2724,
4.8106

■ 141.8688,
165.0273, 240.2080

■ 0.0000, 0.1197,
2.0798

176.4560,

■ 0.0000, 0.0000,

203.8421, 291.1587

0.6037

216.2520,
248.3106, 348.8483

■ 0.0000, 0.0000,
0.0000

■ 23.2708, 29.3403,
52.5808

■ 23.2708, 29.3403,
52.5808

■ 21.6613, 27.4335,
52.2981

■ 25.3088, 31.5072,
52.8922

■ 20.4302, 25.7589,
52.0398

■ 27.8125, 33.9522,
53.2322

■ 19.4860, 24.2697,
51.8021

■ 30.8184, 36.6948,
53.6031

■ 19.4714, 24.2461,
51.7983

■ 34.3581, 39.7519,
54.0066

■ 38.4608, 43.1389,
54.4442

■ 43.1535, 46.8699,
54.9170

■ 48.4612, 50.9582,
55.4264

■ 54.4077, 55.4165,
55.9735

■ 61.0152, 60.2566,
56.5594

Harmonies

Analogous

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



21.2351, 29.3403, 40.6142



23.2708, 29.3403, 52.5808



26.6868, 29.3403, 59.3977

Triad

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



23.2708, 29.3403, 52.5808



36.2998, 29.3403, 35.5633



25.1912, 29.3403, 15.3312

Complementary

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



23.2708, 29.3403, 52.5808



25.1340, 17.9319, 6.0085

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.



29.1229, 29.3403, 14.6045



23.2708, 29.3403, 52.5808



35.8006, 29.3403, 24.6092

Square

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



23.2708, 29.3403, 52.5808



34.3812, 29.3403, 48.1250



33.0767, 29.3403, 17.5702



22.2670, 29.3403, 19.8734

Rectangle

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



23.2708, 29.3403, 52.5808



29.3975, 29.3403, 59.1949



33.0767, 29.3403, 17.5702



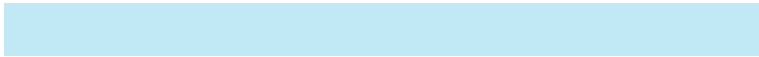
26.4293, 29.3403, 14.6844

Sweetspot

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



23.2718, 29.3414, 52.5815



67.7151, 76.3131, 97.3871



21.5495, 37.9312, 14.9069



14.1130, 16.0434, 20.8954



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.



23.2718, 29.3414, 52.5815



37.5030, 47.4330, 93.4051



14.9121, 12.6221, 49.7950



9.6197, 10.4317, 12.1787



13.1603, 16.4324, 34.8711



0.5615, 0.7356, 1.3812

Inverse Universe

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



28.7082, 16.2493, 34.4253



48.5181, 24.9188, 55.7182



32.8891, 33.4422, 8.5935



9.8347, 9.6582, 11.5183



17.6435, 8.6886, 19.2141



0.7143, 0.3496, 0.8748

Previews

White Background



This preview shows how the XYZ color 23.2708, 29.3403, 52.5808 looks on a white background.

Color Contrast Check

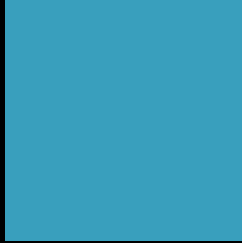
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2708, 29.3403, 52.5808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

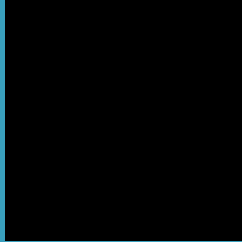
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2708, 29.3403, 52.5808

Background



This preview shows how black text looks on a background with the XYZ color 23.2708, 29.3403, 52.5808.

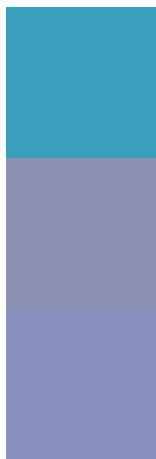


This preview shows how white text looks on a background with the XYZ color 23.2708, 29.3403,

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

23.2708, 29.3403, 52.5808

Protanopia

28.9095, 28.9944, 46.7206

Deuteranopia

29.6410, 28.9865, 53.9019



Tritanopia

21.7017, 29.2133, 45.0524

Trichromacy



Original Color

23.2708, 29.3403, 52.5808

Protanomaly

25.7603, 28.4828, 48.9398

Deuteranomaly

26.2148, 28.3823, 53.3869

Tritanomaly

22.1743, 29.1407, 47.6360

Monochromacy



Original Color

23.2708, 29.3403, 52.5808

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.2485, 24.6492, 33.7748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2708, 29.3403, 52.5808 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(57, 159, 189)` looks like.

```
.text, #text, p{  
    color:rgb(57, 159, 189)  
}
```

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(57, 159, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 159, 189) }
```

Border

The CSS property to change the border of an element to XYZ 23.2708, 29.3403, 52.5808 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(57, 159, 189) }
```


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

```
.border{ border-color:rgb(57, 159, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 159, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 159, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 159, 189);  
box-shadow:4px 4px 4px 4px rgb(57, 159,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2708, 29.3403, 52.5808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 159, 189) }
```

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

```
.background{ background-color: rgb(57, 159,  
189) }
```

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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