

Converting Colors

XYZ(23.2466, 29.2300, 58.3887)

Have a look what the booklet for
XYZ(23.2466, 29.2300, 58.3887)
contains.

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Color

**XYZ(23.2424, 29.1958,
58.4432)**

Conversions

Conversions Part 1

Format	Color
Hex	1E9FC7
RGB	30, 159, 199
RGB Percent	12%, 62%, 78%
CMY	0.8823, 0.3765, 0.2196
CMYK	0.85, 0.20, 0.00, 0.22
HSL	194°, 74%, 45%
HSV	194°, 85%, 78%
XYZ	23.2424, 29.1958, 58.4432
YIQ	124.9890, -89.7240, -14.9080

Conversions

Conversions Part 2

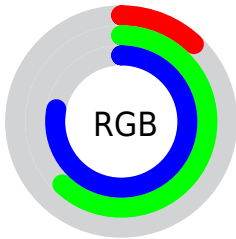
Format	Color
R _Y B	30, 103, 199
Decimal	2006983
CIE Lab	60.95, -19.03, -29.86
CIE LCh	61, 35.407, 237.489
Yxy	29.1958, 0.2096, 0.2633
Android (android.graphics.Color)	4280197063 (0xFF1E9FC7)
YUV	124.9890, 36.4874, -83.3054
Hunter-Lab	54.0331, -17.7761, -26.3059

Details

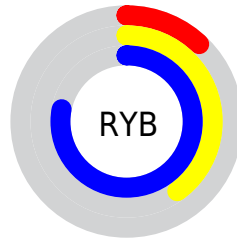
The XYZ color **23.2424, 29.1958, 58.4432** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **25.9794, 16.6189, 3.0682**, and the grayscale version is **19.3944, 20.4044, 22.2204**.

A 20% lighter version of the original color is **48.1600, 58.4389, 103.3493**, and **10.3685, 12.5597, 28.6659** is the 20% darker color. If you saturate the color by 10%, you get **22.0394, 27.3964, 58.1599**, and if you desaturate by 10%, it is **24.8444, 31.2478, 58.7554**.

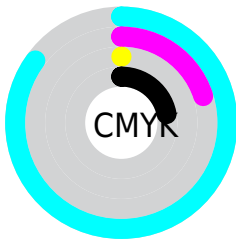
Distribution



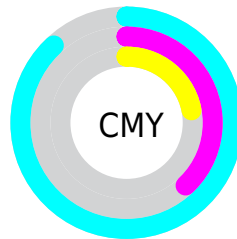
- Red (12%)
- Green (62%)
- Blue (78%)



- Red (12%)
- Yellow (40%)
- Blue (78%)



- Cyan (85%)
- Magenta (20%)
- Yellow (0%)
- Black (22%)



- Cyan (88%)
- Magenta (38%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2424, 29.1958, 58.4432 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 23.2424, 29.1958, 58.4432 by changing the saturation by 10% instead.

■ 23.2424, 29.1958,
58.4432

■ 23.2424, 29.1958,
58.4432

261.4797,
298.1377, 436.4797

■ 14.8943, 19.2290,
41.7480

■ 48.2548, 58.3880,
104.0891

■ 8.8311, 11.8359,
28.5799

■ 65.6497, 78.3822,
133.8769

■ 4.6874, 6.6320,
18.5204

■ 86.7910, 102.4877,
168.8660

■ 2.0979, 3.2330,
11.1510

■ 112.0440,
131.0888, 209.4749

■ 0.6881, 1.2546,
6.0530

■ 141.7740,
164.5700, 256.1222

■ 0.0000, 0.1056,
2.8080

176.3464,

■ 0.0000, 0.0000,

203.3156, 309.2264

0.9975

216.1265,
247.7100, 369.2060

■ 0.0000, 0.0000,
0.0000

■ 23.2424, 29.1958,
58.4432

■ 23.2424, 29.1958,
58.4432

■ 22.0394, 27.3964,
58.1599

■ 24.8444, 31.2478,
58.7554

■ 21.5202, 26.5462,
58.0231

■ 26.9026, 33.5807,
59.0972

■ 29.4674, 36.2216,
59.4718

■ 32.5816, 39.1930,
59.8812

■ 36.2833, 42.5151,
60.3273

■ 40.6069, 46.2060,
60.8119

■ 45.5844, 50.2827,
61.3364

■ 51.2452, 54.7608,
61.9024

■ 57.6170, 59.6550,
62.5113

Harmonies

Analogous

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



20.5895, 29.1958, 45.0430



23.2424, 29.1958, 58.4432



27.3622, 29.1958, 64.5960

Triad

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



23.2424, 29.1958, 58.4432



37.6081, 29.1958, 32.9173



23.8467, 29.1958, 14.1354

Complementary

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



23.2424, 29.1958, 58.4432



25.9794, 16.6189, 3.0682

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.



28.1409, 29.1958, 12.5398



23.2424, 29.1958, 58.4432



36.4029, 29.1958, 21.4296

Square

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



23.2424, 29.1958, 58.4432



35.9384, 29.1958, 47.5233



32.8051, 29.1958, 14.7950



20.9102, 29.1958, 19.9789

Rectangle

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



23.2424, 29.1958, 58.4432



30.5069, 29.1958, 62.7654



32.8051, 29.1958, 14.7950



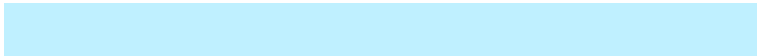
25.1639, 29.1958, 13.1697

Sweetspot

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



23.2434, 29.1968, 58.4439



70.7323, 80.5959, 106.4363



22.0479, 41.5589, 12.5633



14.5384, 16.7438, 22.7156



0.0000, 0.0000, 0.0000



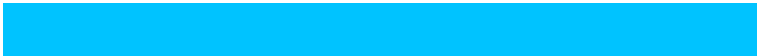
20.3446, 21.4041, 23.3091

Same Dimension

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



23.2434, 29.1968, 58.4439



37.4844, 46.0888, 101.5281



13.3666, 9.4432, 55.1517



10.7257, 11.6255, 13.5961



13.9080, 17.2099, 37.3332



0.7116, 0.9209, 1.7854

Inverse Universe

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



30.2764, 15.5751, 34.2123



51.0496, 25.1838, 53.5866



35.3337, 35.3273, 6.1862



10.9716, 10.7720, 12.8337



18.8194, 9.2773, 20.0569



0.9179, 0.4500, 1.0906

Previews

White Background



This preview shows how the XYZ color 23.2424, 29.1958, 58.4432 looks on a white background.

Color Contrast Check

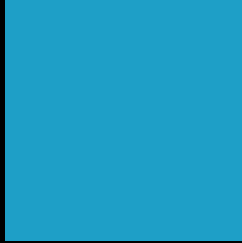
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2424, 29.1958, 58.4432 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

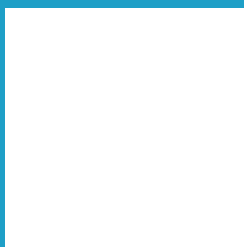
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2424, 29.1958, 58.4432

Background



This preview shows how black text looks on a background with the XYZ color 23.2424, 29.1958, 58.4432.

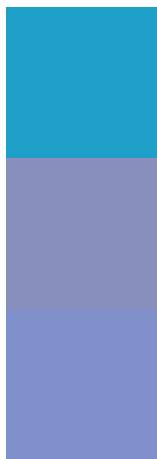


This preview shows how white text looks on a background with the XYZ color 23.2424, 29.1958,

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

23.2424, 29.1958, 58.4432

Protanopia

29.0420, 28.7283, 51.5914

Deuteranopia

29.5360, 28.8000, 59.8794



Tritanopia

20.6582, 28.9358, 45.0538

Trichromacy



Original Color

23.2424, 29.1958, 58.4432

Protanomaly

25.1916, 27.8421, 53.9155

Deuteranomaly

25.7037, 27.9872, 59.3057

Tritanomaly

21.5346, 29.0216, 49.8141

Monochromacy



Original Color

23.2424, 29.1958, 58.4432

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.8296, 22.3320, 33.0238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2424, 29.1958, 58.4432 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(30, 159, 199)` looks like.

```
.text, #text, p{  
    color:rgb(30, 159, 199)  
}
```

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(30, 159, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 159, 199) }
```

Border

The CSS property to change the border of an element to XYZ 23.2424, 29.1958, 58.4432 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(30, 159, 199) }
```


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

```
.border{ border-color:rgb(30, 159, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 159, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 159, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 159, 199);  
box-shadow:4px 4px 4px 4px rgb(30, 159,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2424, 29.1958, 58.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 159, 199) }
```

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

```
.background{ background-color: rgb(30, 159,  
199) }
```

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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