

Converting Colors

XYZ(29.1183, 32.8017, 50.3692)

Have a look what the booklet for
XYZ(29.1183, 32.8017, 50.3692)
contains.

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Color

**XYZ(29.1423, 32.9435,
50.1702)**

Conversions

Conversions Part 1

Format	Color
Hex	78A1B8
RGB	120, 161, 184
RGB Percent	47%, 63%, 72%
CMY	0.5294, 0.3686, 0.2784
CMYK	0.35, 0.12, 0.00, 0.28
HSL	202°, 31%, 60%
HSV	202°, 35%, 72%
XYZ	29.1423, 32.9435, 50.1702
YIQ	151.3630, -31.8190, -1.5390

Conversions

Conversions Part 2

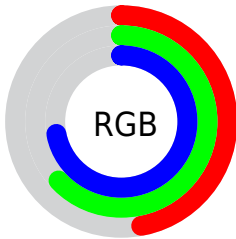
Format	Color
R _Y B	120, 145, 184
Decimal	7905720
CIE Lab	64.12, -8.17, -16.35
CIE LCh	64, 18.272, 243.451
Yxy	32.9435, 0.2596, 0.2935
Android (android.graphics.Color)	4286095800 (0xFF78A1B8)
YUV	151.3630, 16.0900, -27.5054
Hunter-Lab	57.3964, -9.8127, -11.6479

Details

The XYZ color **29.1423, 32.9435, 50.1702** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.9803, 31.1917, 22.0525**, and the grayscale version is **29.5147, 31.0517, 33.8153**.

A 20% lighter version of the original color is **57.7396, 64.4017, 91.8256**, and **11.9493, 13.8049, 23.5076** is the 20% darker color. If you saturate the color by 10%, you get **25.7066, 29.5028, 49.6877**, and if you desaturate by 10%, it is **33.1315, 36.7618, 50.6975**.

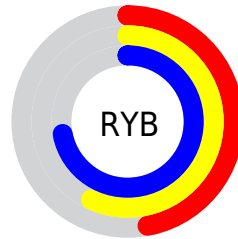
Distribution



Red (47%)

Green (63%)

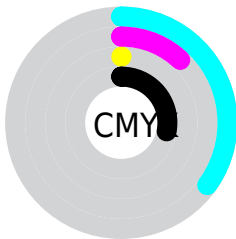
Blue (72%)



Red (47%)

Yellow (57%)

Blue (72%)

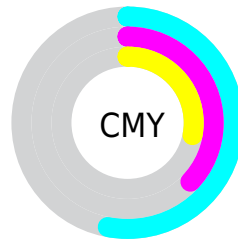


Cyan (35%)

Magenta (12%)

Yellow (0%)

Black (28%)



Cyan (53%)

Magenta (37%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1423, 32.9435, 50.1702 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 29.1423, 32.9435, 50.1702 by changing the saturation by 10% instead.

■ 29.1423, 32.9435,
50.1702

■ 29.1423, 32.9435,
50.1702

289.8679,
315.3951, 404.0853

■ 19.3333, 22.0832,
35.1765

■ 57.6991, 64.2873,
91.8259

■ 12.0168, 13.9180,
23.5142

■ 77.1776, 85.5396,
119.3250

■ 6.8274, 8.0637,
14.7648

■ 100.6100,
111.0246, 151.8297

■ 3.3998, 4.1357,
8.5097

128.3617,
141.1268, 189.7584

■ 1.3685, 1.7498,
4.3304

160.7979,
176.2305, 233.5298

■ 0.2336, 0.4556,
1.8083

198.2842,

■ 0.0000, 0.0000,

216.7202, 283.5624

0.4334

241.1857,
262.9803, 340.2747

■ 0.0000, 0.0000,
0.0000

■ 29.1423, 32.9435,
50.1702

■ 29.1423, 32.9435,
50.1702

■ 25.7066, 29.5028,
49.6877

■ 33.1315, 36.7618,
50.6975

■ 22.7922, 26.4194,
49.2462

■ 37.6980, 40.9690,
51.2689

■ 20.3682, 23.6768,
48.8446

■ 42.8678, 45.5807,
51.8866

■ 18.3987, 21.2549,
48.4809

■ 48.6645, 50.6102,
52.5518

■ 16.8425, 19.1310,
48.1530

■ 55.1101, 56.0702,
53.2660

■ 15.6496, 17.2779,
47.8581

■ 62.2257, 61.9728,
54.0303

■ 15.1161, 16.3893,
47.7148

■ 70.0313, 68.3296,
54.8459

■ 73.9131, 72.7633,
55.4971

■ 75.6197, 76.1764,
56.0659

Harmonies

Analogous

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



27.3450, 32.9435, 44.3026



29.1423, 32.9435, 50.1702



31.6119, 32.9435, 52.0380

Triad

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



29.1423, 32.9435, 50.1702



36.5399, 32.9435, 35.0198



28.6511, 32.9435, 25.2554

Complementary

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



29.1423, 32.9435, 50.1702



32.9803, 31.1917, 22.0525

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.



31.0136, 32.9435, 23.4543



29.1423, 32.9435, 50.1702



35.6448, 32.9435, 28.5815

Square

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



29.1423, 32.9435, 50.1702



35.9719, 32.9435, 42.6161



33.5864, 32.9435, 24.5833



27.0726, 32.9435, 29.8761

Rectangle

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



29.1423, 32.9435, 50.1702



33.3318, 32.9435, 50.5781



33.5864, 32.9435, 24.5833



29.3751, 32.9435, 24.3313

Sweetspot

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



29.1433, 32.9448, 50.1710



72.5229, 78.0315, 93.4438



29.7995, 40.2398, 31.9462



15.3564, 16.5731, 20.1112



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.1433, 32.9448, 50.1710



47.8150, 54.7238, 90.2472



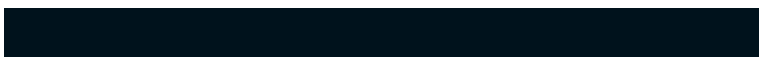
24.3278, 23.3137, 48.5658



8.9879, 9.6530, 11.4689



10.4866, 11.4329, 32.9071



0.4260, 0.5157, 1.1788

Inverse Universe

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



32.9175, 26.1973, 37.0413



55.9117, 41.2823, 61.8484



38.3714, 41.9740, 23.8495



9.2402, 9.1065, 10.6124



15.9068, 7.9365, 12.6622



0.5892, 0.2912, 0.5961

Previews

White Background



This preview shows how the XYZ color 29.1423, 32.9435, 50.1702 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 29.1423, 32.9435, 50.1702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

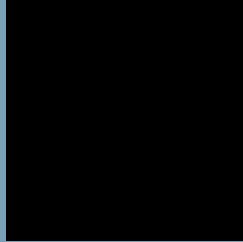
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.1423, 32.9435, 50.1702

Background



This preview shows how black text looks on a background with the XYZ color 29.1423, 32.9435, 50.1702.



This preview shows how white text looks on a background with the XYZ color 29.1423, 32.9435,

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

29.1423, 32.9435, 50.1702

Protanopia

32.2700, 32.8499, 47.2877

Deuteranopia

33.4471, 32.6470, 50.9930



Tritanopia

28.1294, 32.7874, 45.4035

Trichromacy



Original Color

29.1423, 32.9435, 50.1702

Protanomaly

31.0449, 32.9391, 48.4377

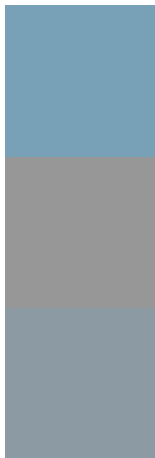
Deuteranomaly

31.6336, 32.6963, 50.5427

Tritanomaly

28.5640, 32.9770, 46.9792

Monochromacy



Original Color

29.1423, 32.9435, 50.1702

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.1474, 31.6625, 39.2256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1423, 32.9435, 50.1702 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(120, 161, 184)` looks like.

```
.text, #text, p{  
    color:rgb(120, 161, 184)  
}
```

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(120, 161, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 161, 184) }
```

Border

The CSS property to change the border of an element to XYZ 29.1423, 32.9435, 50.1702 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(120, 161, 184) }
```


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

```
.border{ border-color:rgb(120, 161, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 161, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 161, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 161, 184);  
box-shadow:4px 4px 4px 4px rgb(120, 161,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1423, 32.9435, 50.1702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 161, 184) }
```

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

```
.background{ background-color: rgb(120,  
161, 184) }
```

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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