

Converting Colors

XYZ(29.9908, 37.2585, 52.1489)

Have a look what the booklet for
XYZ(29.9908, 37.2585, 52.1489)
contains.

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Color

**XYZ(29.9018, 37.1482,
52.0487)**

Conversions

Conversions Part 1

Format	Color
Hex	68AFBA
RGB	104, 175, 186
RGB Percent	41%, 69%, 73%
CMY	0.5921, 0.3137, 0.2706
CMYK	0.44, 0.06, 0.00, 0.27
HSL	188°, 37%, 57%
HSV	188°, 44%, 73%
XYZ	29.9018, 37.1482, 52.0487
YIQ	155.0250, -45.8470, -11.6310

Conversions

Conversions Part 2

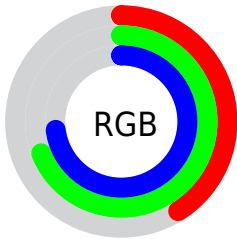
Format	Color
RYB	104, 142, 186
Decimal	6860730
CIELab	67.39, -19.37, -12.61
CIElCh	67, 23.112, 213.057
Yxy	37.1482, 0.2511, 0.3119
Android (android.graphics.Color)	4285050810 (0xFF68AFBA)
YUV	155.0250, 15.2707, -44.7489
Hunter-Lab	60.9493, -19.0890, -7.9672

Details

The XYZ color **29.9018, 37.1482, 52.0487** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.8797, 23.7006, 16.1501**, and the grayscale version is **31.1168, 32.7373, 35.6509**.

A 20% lighter version of the original color is **58.9010, 70.9336, 94.5915**, and **12.4121, 16.2409, 24.6709** is the 20% darker color. If you saturate the color by 10%, you get **27.4955, 35.1944, 51.7991**, and if you desaturate by 10%, it is **32.7955, 39.3683, 52.3254**.

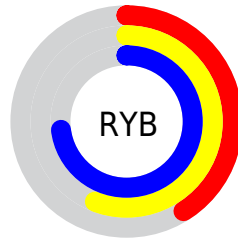
Distribution



Red (41%)

Green (69%)

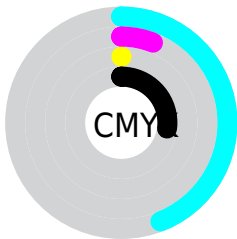
Blue (73%)



Red (41%)

Yellow (56%)

Blue (73%)

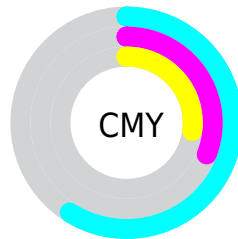


Cyan (44%)

Magenta (6%)

Yellow (0%)

Black (27%)



Cyan (59%)

Magenta (31%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9018, 37.1482, 52.0487 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 29.9018, 37.1482, 52.0487 by changing the saturation by 10% instead.

■ 29.9018, 37.1482,
52.0487

■ 29.9018, 37.1482,
52.0487

■ 293.3645,
333.9517, 411.5869

■ 19.9118, 25.3223,
36.6614

■ 58.8945, 70.8007,
94.6304

■ 12.4388, 16.3173,
24.6517

■ 78.6280, 93.3960,
122.6618

■ 7.1176, 9.7490,
15.6011

■ 102.3399,
120.3498, 155.7450

■ 3.5827, 5.2328,
9.0910

■ 130.3957,
152.0467, 194.2986

■ 1.4689, 2.3845,
4.7030

■ 163.1607,
188.8709, 238.7410

■ 0.3045, 0.8179,
2.0184

■ 201.0002,

■ 0.0000, 0.0000,

231.2069, 289.4908

0.5666

244.2797,
279.4390, 346.9666

■ 0.0000, 0.0000,
0.0000

■ 29.9018, 37.1482,
52.0487

■ 29.9018, 37.1482,
52.0487

■ 27.4955, 35.1944,
51.7991

■ 32.7955, 39.3683,
52.3254

■ 25.5416, 33.4861,
51.5723

■ 36.2020, 41.8653,
52.6278

■ 24.0055, 32.0065,
51.3677

■ 40.1490, 44.6545,
52.9581

■ 22.8464, 30.7343,
51.1832

■ 44.6612, 47.7485,
53.3175

■ 22.0149, 29.6440,
51.0166

■ 49.7617, 51.1594,
53.7071

■ 21.6173, 29.0537,
50.9236

■ 55.4724, 54.8985,
54.1278

■ 61.8140, 58.9766,
54.5807

■ 68.8062, 63.4039,
55.0667

■ 70.1730, 64.9451,
55.2922

Harmonies

Analogous

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



28.9342, 37.1482, 41.4974



29.9018, 37.1482, 52.0487



32.3112, 37.1482, 60.4483

Triad

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



29.9018, 37.1482, 52.0487



41.7348, 37.1482, 49.9459



34.9462, 37.1482, 23.9288

Complementary

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



29.9018, 37.1482, 52.0487



28.8797, 23.7006, 16.1501

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.



38.4852, 37.1482, 25.4317



29.9018, 37.1482, 52.0487



42.5557, 37.1482, 39.4166

Square

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



29.9018, 37.1482, 52.0487



39.1554, 37.1482, 59.0986



41.3300, 37.1482, 30.7135



31.7217, 37.1482, 26.2029

Rectangle

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



29.9018, 37.1482, 52.0487



34.4913, 37.1482, 63.0658



41.3300, 37.1482, 30.7135



36.1380, 37.1482, 24.0102

Sweetspot

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



29.9029, 37.1496, 52.0496



73.4413, 81.4032, 96.0430



26.3593, 39.2979, 22.3964



15.7994, 17.6662, 21.1198



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.



29.9029, 37.1496, 52.0496



49.9186, 63.8600, 93.8966



23.1070, 23.5578, 49.7843



9.1612, 9.9996, 11.5267



14.5830, 19.6257, 34.2726



0.5428, 0.7493, 1.2178

Inverse Universe

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



32.9388, 23.4358, 43.3466



56.2997, 36.3619, 75.3063



34.6264, 35.1940, 18.0657



9.3277, 9.1415, 11.0731



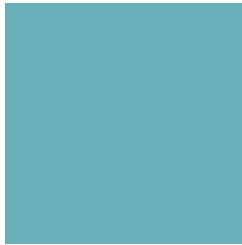
17.9745, 8.7636, 23.5504



0.6481, 0.3147, 0.9065

Previews

White Background



This preview shows how the XYZ color 29.9018, 37.1482, 52.0487 looks on a white background.

Color Contrast Check

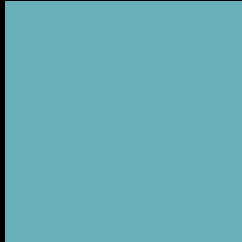
Large Text (above 18pt) WCAG AA × Fail

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 29.9018, 37.1482, 52.0487 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

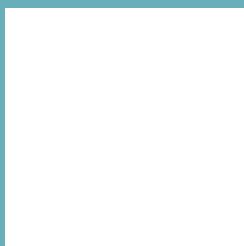
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9018, 37.1482, 52.0487

Background



This preview shows how black text looks on a background with the XYZ color 29.9018, 37.1482, 52.0487.



This preview shows how white text looks on a background with the XYZ color 29.9018, 37.1482,

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

29.9018, 37.1482, 52.0487

Protanopia

35.8565, 36.7364, 47.3205

Deuteranopia

37.5198, 36.6859, 53.2477



Tritanopia

30.3410, 37.3373, 53.7518

Trichromacy



Original Color

29.9018, 37.1482, 52.0487

Protanomaly

33.1437, 36.6363, 49.0407

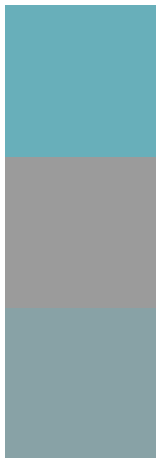
Deuteranomaly

34.0338, 36.4704, 52.8227

Tritanomaly

30.2328, 37.2940, 53.1820

Monochromacy



Original Color

29.9018, 37.1482, 52.0487

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.9566, 33.8281, 41.0270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9018, 37.1482, 52.0487 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(104, 175, 186)` looks like.

```
.text, #text, p{  
    color:rgb(104, 175, 186)  
}
```

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(104, 175, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 175, 186) }
```

Border

The CSS property to change the border of an element to XYZ 29.9018, 37.1482, 52.0487 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(104, 175, 186) }
```


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

```
.border{ border-color:rgb(104, 175, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 175, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 175, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 175, 186);  
box-shadow:4px 4px 4px 4px rgb(104, 175,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9018, 37.1482, 52.0487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 175, 186) }
```

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

```
.background{ background-color: rgb(104,  
175, 186) }
```

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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