

Converting Colors

XYZ(29.4832, 33.1062, 48.9672)

Have a look what the booklet for
XYZ(29.4832, 33.1062, 48.9672)
contains.

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Color

**XYZ(29.5005, 33.1522,
49.1001)**

Conversions

Conversions Part 1

Format	Color
Hex	7CA1B6
RGB	124, 161, 182
RGB Percent	49%, 63%, 71%
CMY	0.5137, 0.3686, 0.2863
CMYK	0.32, 0.12, 0.00, 0.29
HSL	202°, 28%, 60%
HSV	202°, 32%, 71%
XYZ	29.5005, 33.1522, 49.1001
YIQ	152.3310, -28.7930, -1.3130

Conversions

Conversions Part 2

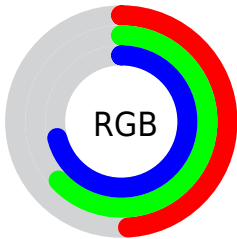
Format	Color
RYB	124, 147, 182
Decimal	8167862
CIELab	64.28, -7.52, -14.95
CIELCh	64, 16.733, 243.297
Yxy	33.1522, 0.2640, 0.2967
Android (android.graphics.Color)	4286357942 (0xFF7CA1B6)
YUV	152.3310, 14.6268, -24.8463
Hunter-Lab	57.5779, -9.3056, -10.2555

Details

The XYZ color **29.5005, 33.1522, 49.1001** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.0553, 31.6514, 23.4367**, and the grayscale version is **29.9364, 31.4955, 34.2986**.

A 20% lighter version of the original color is **58.3486, 64.7498, 90.3116**, and **12.1787, 13.9387, 22.8174** is the 20% darker color. If you saturate the color by 10%, you get **25.9880, 29.6776, 48.6151**, and if you desaturate by 10%, it is **33.5612, 37.0011, 49.6296**.

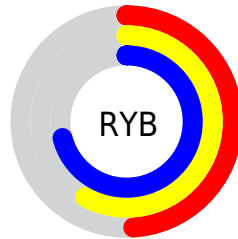
Distribution



Red (49%)

Green (63%)

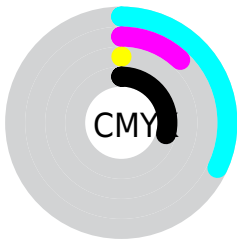
Blue (71%)



Red (49%)

Yellow (58%)

Blue (71%)

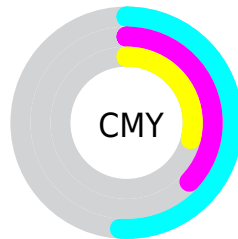


Cyan (32%)

Magenta (12%)

Yellow (0%)

Black (29%)



Cyan (51%)

Magenta (37%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5005, 33.1522, 49.1001 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 29.5005, 33.1522, 49.1001 by changing the saturation by 10% instead.

■ 29.5005, 33.1522,
49.1001

■ 29.5005, 33.1522,
49.1001

291.5210,
316.3350, 399.7700

■ 19.6059, 22.2431,
34.3327

■ 58.2634, 64.6131,
90.2226

■ 12.2155, 14.0356,
22.8699

■ 77.8625, 85.9336,
117.4149

■ 6.9639, 8.1454,
14.2931

■ 101.4271,
111.4934, 149.5858

■ 3.4856, 4.1882,
8.1837

129.3226,
141.6768, 187.1540

■ 1.4155, 1.7794,
4.1233

161.9144,
176.8683, 230.5380

■ 0.2672, 0.4743,
1.6932

199.5679,

■ 0.0000, 0.0000,

217.4522, 280.1563

0.3561

242.6482,
263.8130, 336.4275

■ 0.0000, 0.0000,
0.0000

■ 29.5005, 33.1522,
49.1001

■ 29.5005, 33.1522,
49.1001

■ 25.9880, 29.6776,
48.6151

■ 33.5612, 37.0011,
49.6296

■ 22.9930, 26.5576,
48.1708

■ 38.1925, 41.2348,
50.2027

■ 20.4861, 23.7767,
47.7661

■ 43.4196, 45.8684,
50.8215

■ 18.4337, 21.3159,
47.3993

■ 49.2647, 50.9147,
51.4875

■ 16.7975, 19.1541,
47.0683

■ 55.7492, 56.3858,
52.2017

■ 15.5318, 17.2661,
46.7706

■ 62.8933, 62.2935,
52.9655

■ 14.7016, 15.8934,
46.5494

■ 70.7163, 68.6490,
53.7799

■ 73.6585, 72.5872,
54.3850

■ 75.3571, 75.9845,
54.9512

Harmonies

Analogous

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



27.8420, 33.1522, 43.7712



29.5005, 33.1522, 49.1001



31.7738, 33.1522, 50.8068

Triad

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



29.5005, 33.1522, 49.1001



36.2973, 33.1522, 35.3494



29.0668, 33.1522, 26.2238

Complementary

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



29.5005, 33.1522, 49.1001



33.0553, 31.6514, 23.4367

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.



31.2480, 33.1522, 24.5418



29.5005, 33.1522, 49.1001



35.4872, 33.1522, 29.3769

Square

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



29.5005, 33.1522, 49.1001



35.7725, 33.1522, 42.3049



33.6091, 33.1522, 25.6200



27.6006, 33.1522, 30.5284

Rectangle

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



29.5005, 33.1522, 49.1001



33.3528, 33.1522, 49.5048



33.6091, 33.1522, 25.6200



29.7367, 33.1522, 25.3593

Sweetspot

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



29.5015, 33.1535, 49.1009



70.7738, 76.1322, 91.2005



30.0978, 39.7644, 32.5957



15.3520, 16.5643, 20.1097



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.



29.5015, 33.1535, 49.1009



49.0641, 55.7645, 88.4134



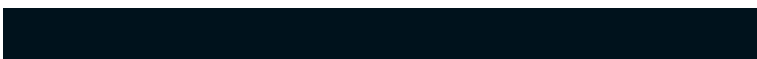
25.1029, 24.3563, 47.6347



8.9858, 9.6489, 11.4683



10.4468, 11.3533, 32.8939



0.4248, 0.5133, 1.1784

Inverse Universe

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



32.9329, 26.9344, 37.1827



56.3761, 43.2929, 62.8418



37.9313, 41.4033, 25.0620



9.2392, 9.1060, 10.6070



15.8867, 7.9285, 12.5563



0.5886, 0.2909, 0.5929

Previews

White Background



This preview shows how the XYZ color 29.5005, 33.1522, 49.1001 looks on a white background.

Color Contrast Check

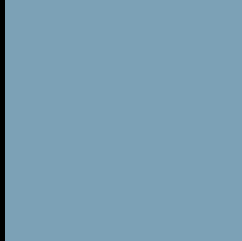
Large Text (above 18pt) WCAG AA × Fail

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 29.5005, 33.1522, 49.1001 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

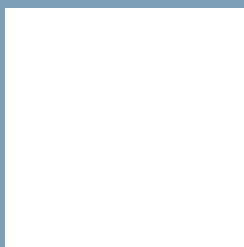
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5005, 33.1522, 49.1001

Background



This preview shows how black text looks on a background with the XYZ color 29.5005, 33.1522, 49.1001.



This preview shows how white text looks on a background with the XYZ color 29.5005, 33.1522,

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

29.5005, 33.1522, 49.1001

Protanopia

32.3540, 32.9049, 46.7655

Deuteranopia

33.7846, 33.0853, 49.9529



Tritanopia

28.6842, 33.0734, 45.4294

Trichromacy



Original Color

29.5005, 33.1522, 49.1001

Protanomaly

31.1782, 33.0313, 47.3802

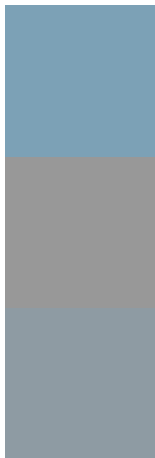
Deuteranomaly

31.9456, 32.8813, 49.4628

Tritanomaly

29.1246, 33.2660, 47.0054

Monochromacy



Original Color

29.5005, 33.1522, 49.1001

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.4875, 31.8378, 39.2415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5005, 33.1522, 49.1001 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(124, 161, 182)` looks like.

```
.text, #text, p{  
    color:rgb(124, 161, 182)  
}
```

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(124, 161, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 161, 182) }
```

Border

The CSS property to change the border of an element to XYZ 29.5005, 33.1522, 49.1001 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(124, 161, 182) }
```


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

```
.border{ border-color:rgb(124, 161, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 161, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 161, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 161, 182);  
box-shadow:4px 4px 4px 4px rgb(124, 161,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5005, 33.1522, 49.1001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 161, 182) }
```

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

```
.background{ background-color: rgb(124,  
161, 182) }
```

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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