

Converting Colors

XYZ(29.9518, 33.7741, 46.5924)

Have a look what the booklet for
XYZ(29.9518, 33.7741, 46.5924)
contains.

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Color

**XYZ(29.9094, 33.6821,
46.5199)**

Conversions

Conversions Part 1

Format	Color
Hex	81A2B1
RGB	129, 162, 177
RGB Percent	51%, 64%, 69%
CMY	0.4941, 0.3647, 0.3059
CMYK	0.27, 0.08, 0.00, 0.31
HSL	199°, 24%, 60%
HSV	199°, 27%, 69%
XYZ	29.9094, 33.6821, 46.5199
YIQ	153.8430, -24.4830, -2.3310

Conversions

Conversions Part 2

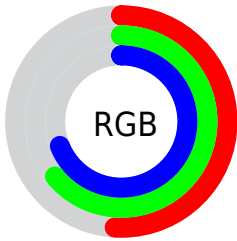
Format	Color
RYB	129, 149, 177
Decimal	8495793
CIELab	64.71, -7.80, -11.48
CIElCh	65, 13.877, 235.819
Yxy	33.6821, 0.2716, 0.3059
Android (android.graphics.Color)	4286685873 (0xFF81A2B1)
YUV	153.8430, 11.4164, -21.7873
Hunter-Lab	58.0363, -9.5723, -6.8994

Details

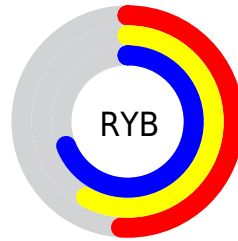
The XYZ color **29.9094, 33.6821, 46.5199** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.0676, 30.8789, 25.0397**, and the grayscale version is **30.6064, 32.2003, 35.0661**.

A 20% lighter version of the original color is **59.0493, 65.5762, 86.6360**, and **12.3559, 14.2268, 21.1636** is the 20% darker color. If you saturate the color by 10%, you get **26.4975, 30.5093, 46.0879**, and if you desaturate by 10%, it is **33.8320, 37.1834, 46.9895**.

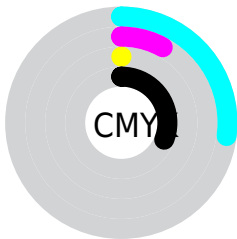
Distribution



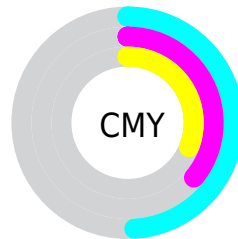
- Red (51%)
- Green (64%)
- Blue (69%)



- Red (51%)
- Yellow (58%)
- Blue (69%)



- Cyan (27%)
- Magenta (8%)
- Yellow (0%)
- Black (31%)



- Cyan (49%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9094, 33.6821, 46.5199 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 29.9094, 33.6821, 46.5199 by changing the saturation by 10% instead.

■ 29.9094, 33.6821,
46.5199

■ 29.9094, 33.6821,
46.5199

293.3993,
318.7122, 389.2330

■ 19.9176, 22.6495,
32.3047

■ 58.9065, 65.4390,
86.3390

■ 12.4430, 14.3349,
21.3276

■ 78.6424, 86.9321,
112.7799

■ 7.1205, 8.3540,
13.1701

■ 102.3571,
112.6808, 144.1332

■ 3.5846, 4.3223,
7.4137

130.4159,
143.0695, 180.8173

■ 1.4699, 1.8554,
3.6398

163.1842,
178.4826, 223.2508

■ 0.3052, 0.5214,
1.4299

201.0273,

■ 0.0000, 0.0000,

219.3045, 271.8522

0.1649

244.3105,
265.9195, 327.0401

■ 0.0000, 0.0000,
0.0000

■ 29.9094, 33.6821,
46.5199

■ 29.9094, 33.6821,
46.5199

■ 26.4975, 30.5093,
46.0879

■ 33.8320, 37.1834,
46.9895

■ 23.5686, 27.6476,
45.6899

■ 38.2849, 41.0217,
47.4957

■ 21.0970, 25.0835,
45.3252

■ 43.2906, 45.2101,
48.0403

■ 19.0532, 22.8012,
44.9924

■ 48.8693, 49.7599,
48.6245

■ 17.4042, 20.7827,
44.6897

■ 55.0400, 54.6815,
49.2492

■ 16.1112, 19.0071,
44.4152

■ 61.8210, 59.9852,
49.9156

■ 15.1186, 17.4449,
44.1659

■ 69.2296, 65.6807,
50.6244

■ 14.8580, 17.0185,
44.0974

■ 71.3071, 68.6967,
51.0971

■ 72.6642, 71.4110,
51.5494

Harmonies

Analogous

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



28.6876, 33.6821, 41.6630



29.9094, 33.6821, 46.5199



31.7353, 33.6821, 48.7409

Triad

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



29.9094, 33.6821, 46.5199



35.9886, 33.6821, 37.4799



30.3742, 33.6821, 27.6577

Complementary

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



29.9094, 33.6821, 46.5199



32.0676, 30.8789, 25.0397

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.



32.2940, 33.6821, 26.7839



29.9094, 33.6821, 46.5199



35.5877, 33.6821, 32.1002

Square

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



29.9094, 33.6821, 46.5199



35.2888, 33.6821, 43.1899



34.2147, 33.6821, 28.3258



28.9480, 33.6821, 30.8490

Rectangle

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



29.9094, 33.6821, 46.5199



33.0695, 33.6821, 48.2754



34.2147, 33.6821, 28.3258



30.9808, 33.6821, 27.0984

Sweetspot

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



29.9104, 33.6835, 46.5207



67.7089, 72.7388, 84.9666



29.7644, 38.1074, 31.9332



14.4077, 15.5367, 18.3839



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



29.9104, 33.6835, 46.5207



49.5262, 56.5955, 82.8090



26.1646, 26.1919, 45.2721



8.5142, 9.1746, 10.8285



10.8210, 12.4424, 31.9683



0.3897, 0.4900, 1.0223

Inverse Universe

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



32.5041, 27.6571, 37.8091



55.1103, 44.2223, 63.9189



35.9867, 38.7170, 26.3461



8.7347, 8.6006, 10.1016



15.6966, 7.7962, 14.0942



0.5187, 0.2552, 0.5743

Previews

White Background



This preview shows how the XYZ color 29.9094, 33.6821, 46.5199 looks on a white background.

Color Contrast Check

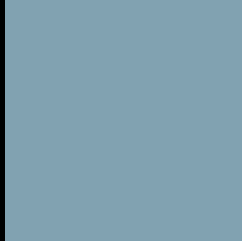
Large Text (above 18pt) WCAG AA × Fail

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 29.9094, 33.6821, 46.5199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

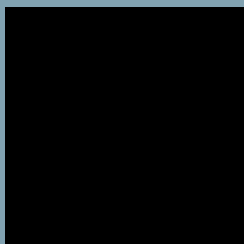
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

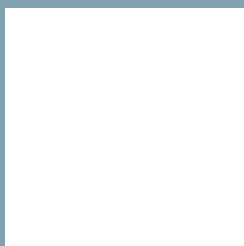
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9094, 33.6821, 46.5199

Background



This preview shows how black text looks on a background with the XYZ color 29.9094, 33.6821, 46.5199.



This preview shows how white text looks on a background with the XYZ color 29.9094, 33.6821,

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

29.9094, 33.6821, 46.5199

Protanopia

32.7817, 33.4284, 44.2597

Deuteranopia

34.2259, 33.6142, 47.3321



Tritanopia

29.7115, 33.6029, 45.4775

Trichromacy



Original Color

29.9094, 33.6821, 46.5199

Protanomaly

31.7209, 33.6207, 44.8620

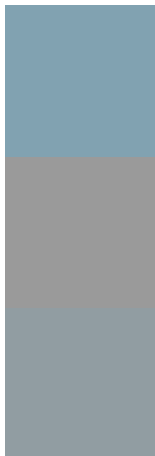
Deuteranomaly

32.3188, 33.3808, 46.8592

Tritanomaly

29.8101, 33.6424, 45.9968

Monochromacy



Original Color

29.9094, 33.6821, 46.5199

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.2556, 32.7423, 38.9077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9094, 33.6821, 46.5199 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(129, 162, 177)` looks like.

```
.text, #text, p{  
    color:rgb(129, 162, 177)  
}
```

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(129, 162, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 162, 177) }
```

Border

The CSS property to change the border of an element to XYZ 29.9094, 33.6821, 46.5199 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(129, 162, 177) }
```


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

```
.border{ border-color:rgb(129, 162, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 162, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 162, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 162, 177);  
box-shadow:4px 4px 4px 4px rgb(129, 162,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9094, 33.6821, 46.5199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 162, 177) }
```

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

```
.background{ background-color: rgb(129,  
162, 177) }
```

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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