

Converting Colors

XYZ(34.0143, 29.5037, 66.4612)

Have a look what the booklet for
XYZ(34.0143, 29.5037, 66.4612)
contains.

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Color

**XYZ(33.9662, 29.4171,
66.1752)**

Conversions

Conversions Part 1

Format	Color
Hex	9989D4
RGB	153, 137, 212
RGB Percent	60%, 54%, 83%
CMY	0.4000, 0.4627, 0.1686
CMYK	0.28, 0.35, 0.00, 0.17
HSL	253°, 47%, 68%
HSV	253°, 35%, 83%
XYZ	33.9662, 29.4171, 66.1752
YIQ	150.3340, -14.5390, 26.7170

Conversions

Conversions Part 2

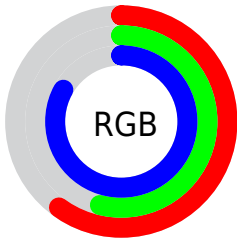
Format	Color
R _Y B	153, 137, 212
Decimal	10062292
CIE Lab	61.15, 22.28, -36.40
CIE LCh	61, 42.677, 301.477
Yxy	29.4171, 0.2622, 0.2271
Android (android.graphics.Color)	4288252372 (0xFF9989D4)
YUV	150.3340, 30.4013, 2.3381
Hunter-Lab	54.2375, 16.8698, -34.3734

Details

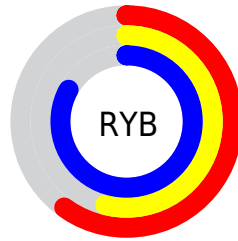
The XYZ color **33.9662, 29.4171, 66.1752** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.8245, 60.6295, 32.6920**, and the grayscale version is **29.0114, 30.5222, 33.2387**.

A 20% lighter version of the original color is **62.7580, 57.6022, 102.4184**, and **14.7495, 11.9600, 33.4294** is the 20% darker color. If you saturate the color by 10%, you get **28.3127, 22.4604, 65.1309**, and if you desaturate by 10%, it is **40.6538, 37.7870, 67.4388**.

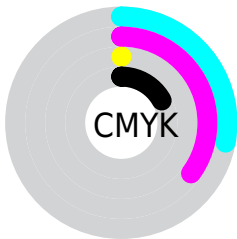
Distribution



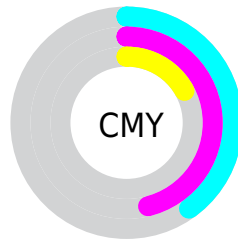
- Red (60%)
- Green (54%)
- Blue (83%)



- Red (60%)
- Yellow (54%)
- Blue (83%)



- Cyan (28%)
- Magenta (35%)
- Yellow (0%)
- Black (17%)



- Cyan (40%)
- Magenta (46%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9662, 29.4171, 66.1752 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 33.9662, 29.4171, 66.1752 by changing the saturation by 10% instead.

■ 33.9662, 29.4171,
66.1752

■ 33.9662, 29.4171,
66.1752

311.5699,
299.1779, 465.4245

■ 23.0304, 19.3966,
47.9573

■ 65.2257, 58.7391,
115.3672

■ 14.7368, 11.9572,
33.4333

■ 86.2802, 78.8094,
147.1782

■ 8.7200, 6.7145,
22.1848

■ 111.4382,
102.9984, 184.3575

■ 4.6146, 3.2842,
13.7931

141.0652,
131.6905, 227.3234

■ 2.0554, 1.2819,
7.8398

175.5266,
165.2701, 276.4945

■ 0.6648, 0.1271,
3.9063

215.1875,

■ 0.0000, 0.0000,

204.1216, 332.2894

1.5741

260.4135,
248.6294, 395.1265

■ 0.0000, 0.0000,
0.2722

■ 0.0000, 0.0000,
0.0000

■ 33.9662, 29.4171,
66.1752

■ 33.9662, 29.4171,
66.1752

■ 28.3127, 22.4604,
65.1309

■ 40.6538, 37.7870,
67.4388

■ 23.6373, 16.8345,
64.2914

■ 48.4214, 47.6395,
68.9311

■ 19.8830, 12.4535,
63.6437

■ 57.3161, 59.0434,
70.6635

■ 16.9857, 9.2200,
63.1723

■ 67.3809, 72.0624,
72.6459

■ 14.8720, 7.0215,
62.8593

■ 78.6569, 86.7563,
74.8878

■ 13.4551, 5.7215,
62.6831

■ 88.1761, 97.1687,
76.3959

■ 12.9760, 5.3166,
62.6301

■ 88.8838, 97.5335,
76.4290

Harmonies

Analogous

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



28.2384, 29.4171, 73.7926



33.9662, 29.4171, 66.1752



38.5252, 29.4171, 49.1229

Triad

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



33.9662, 29.4171, 66.1752



33.4220, 29.4171, 11.8606



18.5202, 29.4171, 32.8314

Complementary

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



33.9662, 29.4171, 66.1752



50.8245, 60.6295, 32.6920

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.



19.5281, 29.4171, 19.4486



33.9662, 29.4171, 66.1752



27.6835, 29.4171, 10.0384

Square

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



33.9662, 29.4171, 66.1752



38.1827, 29.4171, 18.4784



22.7073, 29.4171, 12.2751



19.7473, 29.4171, 50.9760

Rectangle

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



33.9662, 29.4171, 66.1752



40.0147, 29.4171, 36.8203



22.7073, 29.4171, 12.2751



18.6079, 29.4171, 27.6747

Sweetspot

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



33.9672, 29.4182, 66.1759



79.0882, 79.4434, 105.7735



42.1673, 50.0052, 69.7174



16.5393, 16.5063, 22.5643



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.



33.9672, 29.4182, 66.1759



45.3640, 36.9981, 99.3582



41.9407, 33.5287, 66.5490



11.9878, 12.1351, 15.6480



8.0797, 3.3177, 38.6677



0.5583, 0.2367, 2.3356

Inverse Universe

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



46.0616, 35.8749, 56.7220



66.4013, 48.2433, 82.2691



42.4571, 56.3160, 32.3004



12.8343, 12.5852, 15.0676



21.0931, 10.3735, 23.5919



1.3012, 0.6373, 1.5755

Previews

White Background



This preview shows how the XYZ color 33.9662, 29.4171, 66.1752 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 33.9662, 29.4171, 66.1752 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 33.9662, 29.4171, 66.1752

Background



This preview shows how black text looks on a background with the XYZ color 33.9662, 29.4171, 66.1752.



This preview shows how white text looks on a background with the XYZ color 33.9662, 29.4171,

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

33.9662, 29.4171, 66.1752

Protanopia

31.0800, 29.5762, 71.0885

Deuteranopia

30.2239, 29.4960, 65.0731



Tritanopia

28.1756, 29.5227, 37.0143

Trichromacy



Original Color

33.9662, 29.4171, 66.1752

Protanomaly

31.8992, 29.3722, 68.9539

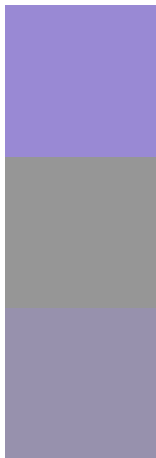
Deuteranomaly

31.5720, 29.4990, 65.6579

Tritanomaly

30.0418, 29.3639, 46.2039

Monochromacy



Original Color

33.9662, 29.4171, 66.1752

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.4307, 29.8472, 43.6924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9662, 29.4171, 66.1752 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(153, 137, 212)` looks like.

```
.text, #text, p{  
    color:rgb(153, 137, 212)  
}
```

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(153, 137, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 137, 212) }
```

Border

The CSS property to change the border of an element to XYZ 33.9662, 29.4171, 66.1752 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(153, 137, 212) }
```


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

```
.border{ border-color:rgb(153, 137, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 137, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 137, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 137, 212);  
box-shadow:4px 4px 4px 4px rgb(153, 137,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9662, 29.4171, 66.1752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 137, 212) }
```

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

```
.background{ background-color: rgb(153,  
137, 212) }
```

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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