

Converting Colors

XYZ(30.4674, 21.0462, 64.9657)

Have a look what the booklet for
XYZ(30.4674, 21.0462, 64.9657)
contains.

| | |
|--|----|
| XYZ(30.5414, 21.1369, 64.7575) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(30.5414, 21.1369,
64.7575)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 9E64D4 |
| RGB | 158, 100, 212 |
| RGB Percent | 62%, 39%, 83% |
| CMY | 0.3804, 0.6078, 0.1686 |
| CMYK | 0.25, 0.53, 0.00, 0.17 |
| HSL | 271°, 57%, 61% |
| HSV | 271°, 53%, 83% |
| XYZ | 30.5414, 21.1369, 64.7575 |
| YIQ | 130.1100, -1.3840, 47.1280 |

Conversions

Conversions Part 2

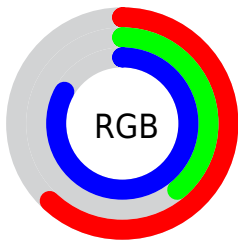
| Format | Color |
|-------------------------------------|--|
| RYB | 158, 100, 212 |
| Decimal | 10380500 |
| CIELab | 53.10, 44.63, -49.06 |
| CIELCh | 53, 66.319, 312.293 |
| Yxy | 21.1369, 0.2623, 0.1815 |
| Android (android.graphics.Color) | 4288570580 (0xFF9E64D4) |
| YUV | 130.1100, 40.3718, 24.4595 |
| Hunter-Lab | 45.9749, 38.1226, -51.3300 |

Details

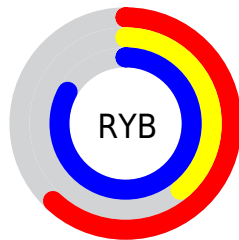
The XYZ color **30.5414, 21.1369, 64.7575** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **39.1705, 54.8775, 20.5852**, and the grayscale version is **21.1198, 22.2197, 24.1972**.

A 20% lighter version of the original color is **57.4656, 44.4495, 100.1586**, and **12.8199, 7.5991, 32.6894** is the 20% darker color. If you saturate the color by 10%, you get **26.8387, 16.5926, 64.0759**, and if you desaturate by 10%, it is **34.9419, 26.8270, 65.6242**.

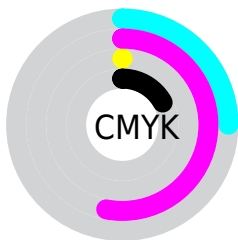
Distribution



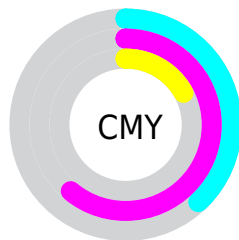
- Red (62%)
- Green (39%)
- Blue (83%)



- Red (62%)
- Yellow (39%)
- Blue (83%)



- Cyan (25%)
- Magenta (53%)
- Yellow (0%)
- Black (17%)



- Cyan (38%)
- Magenta (61%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5414, 21.1369, 64.7575 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 30.5414, 21.1369, 64.7575 by changing the saturation by 10% instead.

30.5414, 21.1369,
64.7575

30.5414, 21.1369,
64.7575

296.2847,
258.0051, 460.2024

20.4000, 13.2241,
46.8144

59.8981, 45.3153,
113.3111

12.7961, 7.5831,
32.5356

79.8441, 62.3496,
144.7586

7.3643, 3.8293,
21.5028

103.7890, 83.1933,
181.5447

3.7393, 1.5786,
13.2972

132.0982,
108.2307, 224.0879

1.5557, 0.3431,
7.5004

165.1370,
137.8462, 272.8067

0.3633, 0.0000,
3.6938

203.2708,

0.0000, 0.0000,

172.4241, 328.1197

1.4589

246.8649,
212.3490, 390.4454

■ 0.0000, 0.0000,
0.1870

■ 0.0000, 0.0000,
0.0000

■ 30.5414, 21.1369,
64.7575

■ 30.5414, 21.1369,
64.7575

■ 26.8387, 16.5926,
64.0759

■ 34.9419, 26.8270,
65.6242

■ 23.7854, 13.1055,
63.5637

■ 40.0792, 33.7373,
66.6873

■ 21.3298, 10.5778,
63.2053

■ 45.9918, 41.9387,
67.9587

■ 19.4094, 8.8910,
62.9809

■ 52.7149, 51.4957,
69.4491

■ 18.2878, 8.0549,
62.8786

■ 60.2811, 62.4687,
71.1683

■ 68.7212, 74.9141,
73.1256

■ 78.0645, 88.8853,
75.3299

■ 83.5018, 94.7590,
76.1771

■ 87.0659, 96.5964,
76.3439

Harmonies

Analogous

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



23.0850, 21.1369, 84.6947



30.5414, 21.1369, 64.7575



35.7777, 21.1369, 36.7945

Triad

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



30.5414, 21.1369, 64.7575



24.4542, 21.1369, 2.3850



9.6235, 21.1369, 32.2060

Complementary

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



30.5414, 21.1369, 64.7575



39.1705, 54.8775, 20.5852

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.



9.8258, 21.1369, 13.1925



30.5414, 21.1369, 64.7575



17.3659, 21.1369, 2.1837

Square

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



30.5414, 21.1369, 64.7575



31.7416, 21.1369, 5.6297



12.3448, 21.1369, 4.6844



11.7084, 21.1369, 59.7756

Rectangle

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



30.5414, 21.1369, 64.7575



36.7038, 21.1369, 21.5104



12.3448, 21.1369, 4.6844



9.4429, 21.1369, 24.5871

Sweetspot

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



30.5422, 21.1377, 64.7580



76.5169, 73.1327, 104.6909



28.7175, 30.6188, 66.6842



15.9197, 15.0014, 22.3064



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.



30.5422, 21.1377, 64.7580



40.3398, 24.6991, 97.2490



43.3585, 27.7718, 64.1356



12.3499, 12.3218, 15.6650



11.4063, 5.0326, 38.8234



0.7834, 0.3527, 2.3461

Inverse Universe

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



37.5418, 25.4451, 33.5048



52.7015, 32.2989, 42.3881



31.1912, 50.7535, 20.6889



12.6702, 12.5196, 14.2034



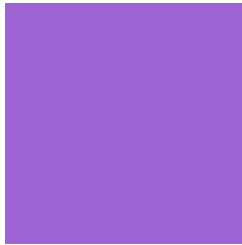
18.2991, 9.2560, 8.8793



1.1454, 0.5750, 0.7552

Previews

White Background



This preview shows how the XYZ color 30.5414, 21.1369, 64.7575 looks on a white background.

Color Contrast Check

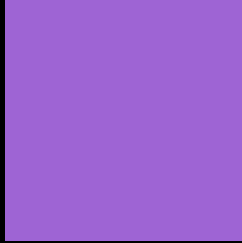
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5414, 21.1369, 64.7575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

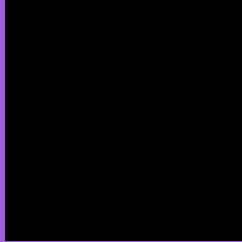
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.5414, 21.1369, 64.7575

Background



This preview shows how black text looks on a background with the XYZ color 30.5414, 21.1369, 64.7575.



This preview shows how white text looks on a background with the XYZ color 30.5414, 21.1369,

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

30.5414, 21.1369, 64.7575

Protanopia

24.6041, 21.4662, 81.4439

Deuteranopia

21.8718, 21.2547, 61.3423



Tritanopia

22.3682, 21.2157, 24.0352

Trichromacy



Original Color

30.5414, 21.1369, 64.7575



Protanomaly

25.4754, 20.6323, 75.3128



Deuteranomaly

23.8099, 20.4024, 62.3577



Tritanomaly

24.6447, 20.7379, 35.9616

Monochromacy



Original Color

30.5414, 21.1369, 64.7575



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

23.7572, 21.3072, 36.1183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5414, 21.1369, 64.7575 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(158, 100, 212)` looks like.

```
.text, #text, p{  
    color:rgb(158, 100, 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(158, 100, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 100, 212) }
```

Border

The CSS property to change the border of an element to XYZ 30.5414, 21.1369, 64.7575 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(158, 100, 212) }
```


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

```
.border{ border-color:rgb(158, 100, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 100, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 100, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 100, 212);  
box-shadow:4px 4px 4px 4px rgb(158, 100,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5414, 21.1369, 64.7575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 100, 212) }
```

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

```
.background{ background-color: rgb(158,  
100, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor