

Converting Colors

XYZ(30.8020, 21.3571, 60.8914)

Have a look what the booklet for
XYZ(30.8020, 21.3571, 60.8914)
contains.

XYZ(30.8020, 21.3571, 60.8914)	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(30.8020, 21.3571,
60.8914)**

Conversions

Conversions Part 1

Format	Color
Hex	A364CE
RGB	163, 100, 206
RGB Percent	64%, 39%, 81%
CMY	0.3608, 0.6078, 0.1922
CMYK	0.21, 0.51, 0.00, 0.19
HSL	276°, 52%, 60%
HSV	276°, 51%, 81%
XYZ	30.8020, 21.3571, 60.8914
YIQ	130.9210, 3.5220, 46.3220

Conversions

Conversions Part 2

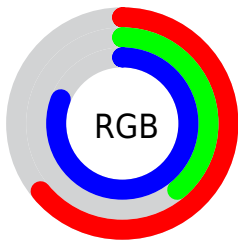
Format	Color
RYB	163, 100, 206
Decimal	10708174
CIELab	53.34, 44.57, -45.23
CIELCh	53, 63.497, 314.579
Yxy	21.3571, 0.2725, 0.1889
Android (android.graphics.Color)	4288898254 (0xFFA364CE)
YUV	130.9210, 37.0139, 28.1333
Hunter-Lab	46.2137, 38.0983, -45.7711

Details

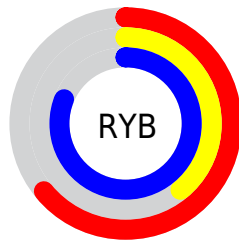
The XYZ color **30.8020, 21.3571, 60.8914** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.6998, 50.9028, 20.0010**, and the grayscale version is **21.4173, 22.5326, 24.5380**.

A 20% lighter version of the original color is **58.9564, 45.2181, 100.2284**, and **12.9109, 7.7037, 30.0846** is the 20% darker color. If you saturate the color by 10%, you get **27.4155, 17.0401, 60.2370**, and if you desaturate by 10%, it is **34.8027, 26.7330, 61.7186**.

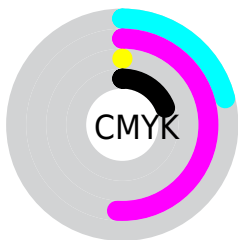
Distribution



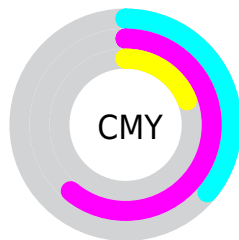
- Red (64%)
- Green (39%)
- Blue (81%)



- Red (64%)
- Yellow (39%)
- Blue (81%)



- Cyan (21%)
- Magenta (51%)
- Yellow (0%)
- Black (19%)



- Cyan (36%)
- Magenta (61%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8020, 21.3571, 60.8914 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 30.8020, 21.3571, 60.8914 by changing the saturation by 10% instead.

30.8020, 21.3571,
60.8914

30.8020, 21.3571,
60.8914

297.4683,
259.1702, 445.7712

20.5992, 13.3853,
43.7075

60.3062, 45.6811,
107.6777

12.9421, 7.6944,
30.1052

80.3383, 62.8021,
138.1172

7.4654, 3.9000,
19.6657

104.3775, 83.7415,
173.8123

3.8038, 1.6178,
11.9706

132.7892,
108.8839, 215.1816

1.5917, 0.3696,
6.6014

165.9388,
138.6136, 262.6436

0.3870, 0.0000,
3.1394

204.1916,

0.0000, 0.0000,

173.3149, 316.6168

1.1663

247.9130,
213.3723, 377.5199

■ 0.0000, 0.0000,
0.0000

■ 30.8020, 21.3571,
60.8914

■ 30.8020, 21.3571,
60.8914

■ 27.4155, 17.0401,
60.2370

■ 34.8027, 26.7330,
61.7186

■ 24.6001, 13.7015,
59.7410

■ 39.4517, 33.2351,
62.7286

■ 22.3104, 11.2530,
59.3890

■ 44.7831, 40.9281,
63.9325

■ 20.4916, 9.5885,
59.1636

■ 50.8278, 49.8708,
65.3400

■ 19.2285, 8.6257,
59.0443

■ 57.6149, 60.1182,
66.9602

■ 65.1714, 71.7219,
68.8017

■ 73.5231, 84.7305,
70.8724

■ 79.4870, 92.7751,
72.1109

■ 82.2313, 94.1899,
72.2393

Harmonies

Analogous

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



23.7333, 21.3571, 80.7076



30.8020, 21.3571, 60.8914



35.5005, 21.3571, 34.5643

Triad

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



30.8020, 21.3571, 60.8914



23.9377, 21.3571, 2.7021



10.1759, 21.3571, 33.8838

Complementary

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



30.8020, 21.3571, 60.8914



35.6998, 50.9028, 20.0010

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.



10.2070, 21.3571, 14.7273



30.8020, 21.3571, 60.8914



17.2136, 21.3571, 2.6687

Square

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



30.8020, 21.3571, 60.8914



30.9799, 21.3571, 5.7373



12.5050, 21.3571, 5.5872



12.4079, 21.3571, 60.1629

Rectangle

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



30.8020, 21.3571, 60.8914



36.1202, 21.3571, 20.4198



12.5050, 21.3571, 5.5872



9.9409, 21.3571, 26.3396

Sweetspot

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



30.8028, 21.3580, 60.8919



78.5586, 75.1520, 104.9730



26.3953, 27.1634, 62.2448



16.3664, 15.4220, 22.3641



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.



30.8028, 21.3580, 60.8919



43.7677, 26.8099, 97.4758



40.1085, 26.2757, 55.8817



11.2303, 11.1680, 14.1341



11.9525, 5.3693, 36.3627



0.7012, 0.3206, 1.8799

Inverse Universe

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



34.9692, 24.2200, 28.8190



51.9415, 32.3653, 37.2434



30.0788, 47.9530, 22.0923



11.3978, 11.2878, 12.6293



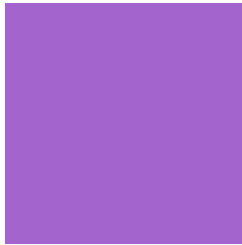
16.6938, 8.4881, 6.1061



0.8985, 0.4528, 0.5115

Previews

White Background



This preview shows how the XYZ color 30.8020, 21.3571, 60.8914 looks on a white background.

Color Contrast Check

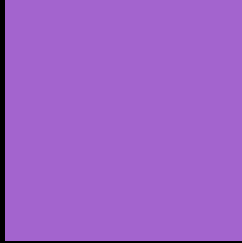
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8020, 21.3571, 60.8914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

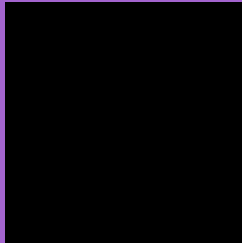
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.8020, 21.3571, 60.8914

Background



This preview shows how black text looks on a background with the XYZ color 30.8020, 21.3571, 60.8914.



This preview shows how white text looks on a background with the XYZ color 30.8020, 21.3571,

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

30.8020, 21.3571, 60.8914

Protanopia

24.4924, 21.6921, 77.0249

Deuteranopia

22.2863, 21.7301, 58.2781



Tritanopia

23.0708, 21.2362, 23.3051

Trichromacy



Original Color

30.8020, 21.3571, 60.8914

Protanomaly

25.4886, 20.7331, 71.0651

Deuteranomaly

24.3282, 20.9135, 59.2544

Tritanomaly

25.3125, 20.9572, 34.1635

Monochromacy



Original Color

30.8020, 21.3571, 60.8914

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

24.2157, 21.7412, 35.2679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8020, 21.3571, 60.8914 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(163, 100, 206)` looks like.

```
.text, #text, p{  
    color:rgb(163, 100, 206)  
}
```

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(163, 100, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 100, 206) }
```

Border

The CSS property to change the border of an element to XYZ 30.8020, 21.3571, 60.8914 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(163, 100, 206) }
```


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

```
.border{ border-color:rgb(163, 100, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 100, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 100, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 100, 206);  
box-shadow:4px 4px 4px 4px rgb(163, 100,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8020, 21.3571, 60.8914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 100, 206) }
```

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

```
.background{ background-color: rgb(163,  
100, 206) }
```

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