

Converting Colors

XYZ(30.4932, 49.6750, 21.6386)

Have a look what the booklet for
XYZ(30.4932, 49.6750, 21.6386)
contains.

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Color

**XYZ(30.4720, 49.6206,
21.6074)**

Conversions

Conversions Part 1

Format	Color
Hex	60D26A
RGB	96, 210, 106
RGB Percent	38%, 82%, 42%
CMY	0.6235, 0.1765, 0.5843
CMYK	0.54, 0.00, 0.50, 0.18
HSL	125°, 56%, 60%
HSV	125°, 54%, 82%
XYZ	30.4720, 49.6206, 21.6074
YIQ	164.0580, -34.5600, -56.5120

Conversions

Conversions Part 2

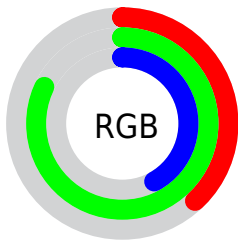
Format	Color
RYB	96, 201, 210
Decimal	6345322
CIELab	75.84, -53.64, 41.68
CIElCh	76, 67.927, 142.149
Yxy	49.6206, 0.2996, 0.4879
Android (android.graphics.Color)	4284535402 (0xFF60D26A)
YUV	164.0580, -28.6226, -59.6869
Hunter-Lab	70.4419, -46.0572, 31.1227

Details

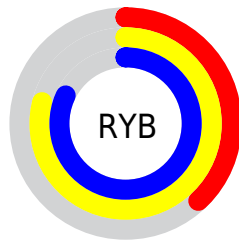
The XYZ color **30.4720, 49.6206, 21.6074** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **41.1880, 26.2384, 57.5385**, and the grayscale version is **35.4591, 37.3057, 40.6259**.

A 20% lighter version of the original color is **55.5356, 80.9918, 45.5068**, and **12.6972, 23.6200, 7.5043** is the 20% darker color. If you saturate the color by 10%, you get **27.6632, 48.2766, 16.8440**, and if you desaturate by 10%, it is **34.0958, 51.3619, 27.5728**.

Distribution



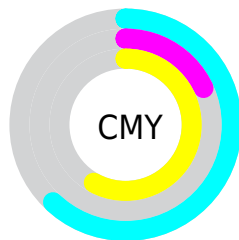
- Red (38%)
- Green (82%)
- Blue (42%)



- Red (38%)
- Yellow (79%)
- Blue (82%)



- Cyan (54%)
- Magenta (0%)
- Yellow (50%)
- Black (18%)



- Cyan (62%)
- Magenta (18%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4720, 49.6206, 21.6074 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 30.4720, 49.6206, 21.6074 by changing the saturation by 10% instead.

■ 30.4720, 49.6206,
21.6074

■ 30.4720, 49.6206,
21.6074

295.9689,
385.1804, 273.3754

■ 20.3470, 35.1120,
13.3732

■ 59.7893, 89.6125,
46.9901

■ 12.7572, 23.7492,
7.5523

■ 79.7124, 115.8646,
64.9756

■ 7.3374, 15.1477,
3.7262

■ 103.6321,
146.8000, 87.0487

■ 3.7222, 8.9231,
1.4764

■ 131.9139,
182.8031, 113.6277

■ 1.5462, 4.6911,
0.2002

164.9231,
224.2583, 145.1314

■ 0.3570, 2.0672,
0.0000

203.0251,

■ 0.0000, 0.6461,

271.5500, 181.9782

0.0000

246.5853,
325.0626, 224.5867

■ 0.0000, 0.0000,
0.0000

■ 30.4720, 49.6206,
21.6074

■ 30.4720, 49.6206,
21.6074

■ 27.6632, 48.2766,
16.8440

■ 34.0958, 51.3619,
27.5728

■ 25.6028, 47.2930,
13.1980

■ 38.5876, 53.5220,
34.8105

■ 24.2193, 46.6363,
10.5791

■ 43.9998, 56.1278,
43.3895

■ 23.4256, 46.2639,
8.8818

■ 50.3798, 59.2025,
53.3726

■ 23.1603, 46.1402,
8.2759

■ 57.7719, 62.7675,
64.8189

■ 66.2174, 66.8431,
77.7841

■ 75.7553, 71.4482,
92.3208

■ 82.3376, 74.5751,
104.6625

Harmonies

Analogous

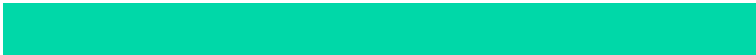
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.5886, 49.6206, 11.8259



30.4720, 49.6206, 21.6074



26.9680, 49.6206, 45.0758

Triad

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



30.4720, 49.6206, 21.6074



43.9235, 49.6206, 156.3314



73.4141, 49.6206, 31.8244

Complementary

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



30.4720, 49.6206, 21.6074



41.1880, 26.2384, 57.5385

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.



75.5350, 49.6206, 64.0942



30.4720, 49.6206, 21.6074



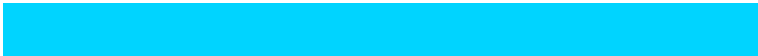
56.9215, 49.6206, 147.4111

Square

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



30.4720, 49.6206, 21.6074



33.7784, 49.6206, 129.6318



69.0490, 49.6206, 108.9127



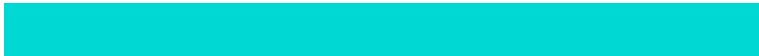
63.6848, 49.6206, 15.6220

Rectangle

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



30.4720, 49.6206, 21.6074



27.1864, 49.6206, 70.0230



69.0490, 49.6206, 108.9127



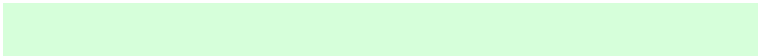
75.1030, 49.6206, 40.6761

Sweetspot

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



30.4732, 49.6227, 21.6085



76.1760, 90.8967, 79.7084



49.1131, 59.2885, 19.9219



15.8497, 19.2363, 16.3503



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.



30.4732, 49.6227, 21.6085



42.3920, 74.6515, 25.2163



34.4379, 51.2085, 42.4864



11.6978, 13.2229, 12.7651



14.1426, 28.1500, 5.1313



0.8056, 1.5799, 0.3653

Inverse Universe

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



41.1880, 26.2384, 57.5385



60.6295, 34.7650, 86.3101



35.7585, 24.0666, 28.9472



12.2642, 11.9904, 14.6671



22.0064, 10.6754, 31.2696



1.2439, 0.6023, 1.8192

Previews

White Background



This preview shows how the XYZ color 30.4720, 49.6206, 21.6074 looks on a white background.

Color Contrast Check

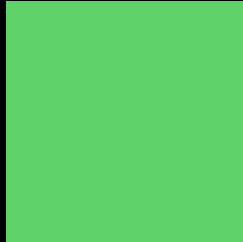
Large Text (above 18pt) WCAG AA × Fail

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 30.4720, 49.6206, 21.6074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

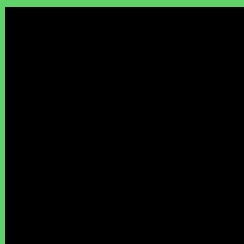
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4720, 49.6206, 21.6074

Background



This preview shows how black text looks on a background with the XYZ color 30.4720, 49.6206, 21.6074.



This preview shows how white text looks on a background with the XYZ color 30.4720, 49.6206,

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

30.4720, 49.6206, 21.6074

Protanopia

44.9403, 48.9788, 18.6405

Deuteranopia

49.8107, 48.6667, 22.6879



Tritanopia

40.2168, 49.3082, 71.0161

Trichromacy



Original Color

30.4720, 49.6206, 21.6074



Protanomaly

37.3811, 47.9691, 19.6007



Deuteranomaly

39.4269, 47.0079, 22.0343



Tritanomaly

35.5405, 48.7809, 48.0999

Monochromacy



Original Color

30.4720, 49.6206, 21.6074



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.1293, 40.5199, 32.1143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4720, 49.6206, 21.6074 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(96, 210, 106)` looks like.

```
.text, #text, p{  
    color:rgb(96, 210, 106)  
}
```

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(96, 210, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 210, 106) }
```

Border

The CSS property to change the border of an element to XYZ 30.4720, 49.6206, 21.6074 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(96, 210, 106) }
```


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

```
.border{ border-color:rgb(96, 210, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 210, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 210, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 210, 106);  
box-shadow:4px 4px 4px 4px rgb(96, 210,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4720, 49.6206, 21.6074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 210, 106) }
```

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

```
.background{ background-color: rgb(96, 210,  
106) }
```

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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