

Converting Colors

XYZ(21.3245, 30.1397, 6.1063)

Have a look what the booklet for
XYZ(21.3245, 30.1397, 6.1063)
contains.

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Color

**XYZ(21.3632, 30.1614,
6.1346)**

Conversions

Conversions Part 1

Format	Color
Hex	7BA221
RGB	123, 162, 33
RGB Percent	48%, 64%, 13%
CMY	0.5176, 0.3647, 0.8706
CMYK	0.24, 0.00, 0.80, 0.36
HSL	78°, 66%, 38%
HSV	78°, 80%, 64%
XYZ	21.3632, 30.1614, 6.1346
YIQ	135.6330, 18.1650, -48.3870

Conversions

Conversions Part 2

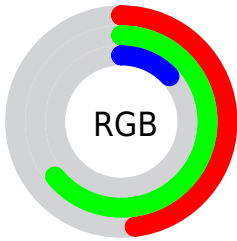
Format	Color
RYB	33, 162, 72
Decimal	8102433
CIELab	61.79, -31.31, 57.45
CIELCh	62, 65.432, 118.590
Yxy	30.1614, 0.3705, 0.5231
Android (android.graphics.Color)	4286292513 (0xFF7BA221)
YUV	135.6330, -50.5981, -11.0791
Hunter-Lab	54.9194, -26.6739, 31.8208

Details

The XYZ color **21.3632, 30.1614, 6.1346** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.7391, 5.0749, 34.6504**, and the grayscale version is **23.4436, 24.6645, 26.8597**.

A 20% lighter version of the original color is **45.2064, 59.9307, 18.6363**, and **8.0302, 12.4171, 1.9735** is the 20% darker color. If you saturate the color by 10%, you get **20.5056, 29.7405, 5.1821**, and if you desaturate by 10%, it is **22.3665, 30.6468, 7.6651**.

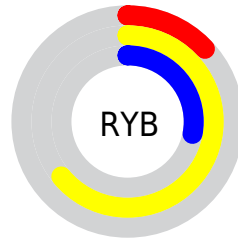
Distribution



Red (48%)

Green (64%)

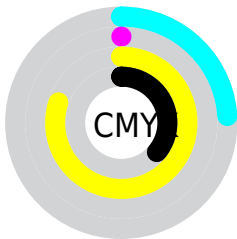
Blue (13%)



Red (13%)

Yellow (64%)

Blue (28%)

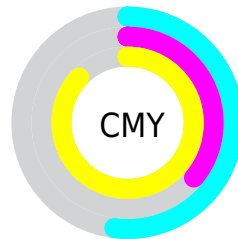


Cyan (24%)

Magenta (0%)

Yellow (80%)

Black (36%)



Cyan (52%)

Magenta (36%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3632, 30.1614, 6.1346 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 21.3632, 30.1614, 6.1346 by changing the saturation by 10% instead.

■ 21.3632, 30.1614,
6.1346

■ 21.3632, 30.1614,
6.1346

251.8978,
302.6560, 169.6141

■ 13.5037, 19.9611,
2.8570

■ 45.1780, 59.9173,
18.6921

■ 7.8557, 12.3668,
1.0221

■ 61.8639, 80.2418,
28.8091

■ 4.0538, 6.9940,
0.0000

■ 82.2228, 104.7097,
42.0429

■ 1.7326, 3.4583,
0.0000

■ 106.6199,
133.7056, 58.8122

■ 0.4765, 1.3754,
0.0000

■ 135.4206,
167.6138, 79.5354

■ 0.0000, 0.1985,
0.0000

■ 168.9903,

■ 0.0000, 0.0000,

206.8186, 104.6311

0.0000

207.6942,
251.7046, 134.5178

■ 21.3632, 30.1614,
6.1346

■ 21.3632, 30.1614,
6.1346

■ 20.5056, 29.7405,
5.1821

■ 22.3665, 30.6468,
7.6651

■ 19.7605, 29.3675,
4.6444

■ 23.5277, 31.1983,
9.8448

■ 19.7336, 29.3540,
4.6258

■ 24.8598, 31.8225,
12.7365

■ 26.3739, 32.5236,
16.3952

■ 28.0796, 33.3056,
20.8705

■ 29.9862, 34.1724,
26.2078

■ 32.1021, 35.1272,
32.4491

■ 34.4351, 36.1733,
39.6339

■ 36.9927, 37.3137,
47.7991

Harmonies

Analogous

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



29.0825, 30.1614, 4.4157



21.3632, 30.1614, 6.1346



16.5975, 30.1614, 13.6208

Triad

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



21.3632, 30.1614, 6.1346



20.7806, 30.1614, 93.3092



48.9303, 30.1614, 34.0377

Complementary

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



21.3632, 30.1614, 6.1346



9.7391, 5.0749, 34.6504

Split Complementary

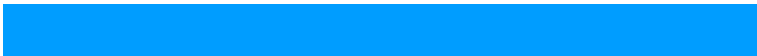
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.5082, 30.1614, 64.7973



21.3632, 30.1614, 6.1346



28.2565, 30.1614, 108.1312

Square

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



21.3632, 30.1614, 6.1346



16.3123, 30.1614, 61.6276



37.4717, 30.1614, 95.7022



46.0725, 30.1614, 14.7923

Rectangle

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



21.3632, 30.1614, 6.1346



15.1630, 30.1614, 24.2204



37.4717, 30.1614, 95.7022



48.4653, 30.1614, 43.2962

Sweetspot

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



21.3639, 30.1627, 6.1352



52.7170, 61.2551, 42.6957



17.4740, 12.3883, 2.9094



11.5797, 13.6391, 8.8673



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.3639, 30.1627, 6.1352



36.1197, 53.4351, 8.6534



14.9877, 26.8757, 5.8368



7.4400, 8.1293, 7.5571



15.5909, 23.1479, 3.6463



0.3719, 0.5092, 0.0787

Inverse Universe

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



9.7391, 5.0749, 34.6504



14.4501, 6.2180, 62.4947



17.2525, 8.9481, 35.0020



6.8925, 6.9589, 8.8830



6.1744, 2.5895, 27.1042



0.1755, 0.0780, 0.5717

Previews

White Background



This preview shows how the XYZ color 21.3632, 30.1614, 6.1346 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 21.3632, 30.1614, 6.1346 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 21.3632, 30.1614, 6.1346

Background



This preview shows how black text looks on a background with the XYZ color 21.3632, 30.1614, 6.1346.



This preview shows how white text looks on a background with the XYZ color 21.3632, 30.1614,

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

21.3632, 30.1614, 6.1346

Protanopia

26.9181, 29.8041, 5.5623

Deuteranopia

30.4544, 29.7890, 6.4302



Tritanopia

27.9940, 30.0959, 38.9840

Trichromacy



Original Color

21.3632, 30.1614, 6.1346

Protanomaly

24.5654, 29.7894, 5.7515

Deuteranomaly

26.4235, 29.5339, 6.2274

Tritanomaly

24.3895, 29.6092, 20.9527

Monochromacy



Original Color

21.3632, 30.1614, 6.1346

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.7376, 25.9769, 15.6727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3632, 30.1614, 6.1346 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(123, 162, 33)` looks like.

```
.text, #text, p{  
    color:rgb(123, 162, 33)  
}
```

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(123, 162, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 162, 33) }
```

Border

The CSS property to change the border of an element to XYZ 21.3632, 30.1614, 6.1346 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(123, 162, 33) }
```


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

```
.border{ border-color:rgb(123, 162, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 162, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 162, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 162, 33);  
box-shadow:4px 4px 4px 4px rgb(123, 162,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3632, 30.1614, 6.1346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 162, 33) }
```

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

```
.background{ background-color: rgb(123,  
162, 33) }
```

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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