

Converting Colors

XYZ(21.6293, 30.4025, 6.9974)

Have a look what the booklet for
XYZ(21.6293, 30.4025, 6.9974)
contains.

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Color

**XYZ(21.5248, 30.2260,
6.9852)**

Conversions

Conversions Part 1

Format	Color
Hex	7BA22B
RGB	123, 162, 43
RGB Percent	48%, 64%, 17%
CMY	0.5176, 0.3647, 0.8314
CMYK	0.24, 0.00, 0.73, 0.36
HSL	80°, 58%, 40%
HSV	80°, 73%, 64%
XYZ	21.5248, 30.2260, 6.9852
YIQ	136.7730, 14.9550, -45.2770

Conversions

Conversions Part 2

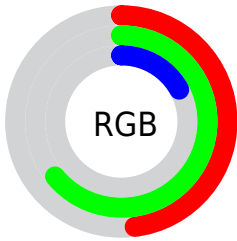
Format	Color
RYB	43, 162, 82
Decimal	8102443
CIELab	61.85, -30.79, 54.16
CIELCh	62, 62.297, 119.616
Yxy	30.2260, 0.3665, 0.5146
Android (android.graphics.Color)	4286292523 (0xFF7BA22B)
YUV	136.7730, -46.2301, -12.0789
Hunter-Lab	54.9782, -26.3263, 30.9517

Details

The XYZ color **21.5248, 30.2260, 6.9852** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.8663, 6.1310, 34.7948**, and the grayscale version is **23.8580, 25.1005, 27.3344**.

A 20% lighter version of the original color is **45.5609, 60.0725, 20.5031**, and **8.0302, 12.4171, 1.9735** is the 20% darker color. If you saturate the color by 10%, you get **20.5458, 29.7501, 5.6845**, and if you desaturate by 10%, it is **22.6645, 30.7731, 8.9108**.

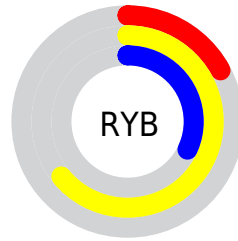
Distribution



Red (48%)

Green (64%)

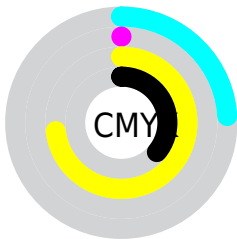
Blue (17%)



Red (17%)

Yellow (64%)

Blue (32%)

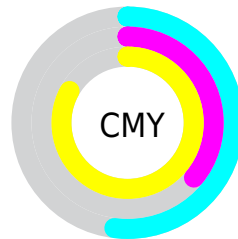


Cyan (24%)

Magenta (0%)

Yellow (73%)

Black (36%)



Cyan (52%)


Magenta (36%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5248, 30.2260, 6.9852 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 21.5248, 30.2260, 6.9852 by changing the saturation by 10% instead.


 21.5248, 30.2260,
6.9852


 21.5248, 30.2260,
6.9852


252.7338,
302.9565, 177.1669


 13.6228, 20.0102,
3.3745


 45.4441, 60.0194,
20.4558


 7.9387, 12.4025,
1.2889


 62.1920, 80.3658,
31.1528

 4.1072, 7.0184,
0.0527


 82.6193, 104.8578,
45.0490

 1.7630, 3.4736,
0.0000

 107.0914,
133.8799, 62.5630

 0.4952, 1.3837,
0.0000

 135.9735,
167.8164, 84.1132

 0.0000, 0.2047,
0.0000

 169.6310,

 0.0000, 0.0000,

207.0517, 110.1182

0.0000

208.4293,
251.9703, 140.9966

■ 21.5248, 30.2260,
6.9852

■ 21.5248, 30.2260,
6.9852

■ 20.5458, 29.7501,
5.6845

■ 22.6645, 30.7731,
8.9108

■ 19.7097, 29.3349,
4.9281

■ 23.9759, 31.3926,
11.5252

■ 19.2160, 29.0871,
4.6016

■ 25.4713, 32.0907,
14.8866

■ 27.1609, 32.8714,
19.0464

■ 29.0543, 33.7387,
24.0516

■ 31.1604, 34.6961,
29.9455

■ 33.4873, 35.7470,
36.7682

■ 36.0427, 36.8946,
44.5578

■ 38.8340, 38.1419,
53.3499

Harmonies

Analogous

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



28.8362, 30.2260, 5.0645



21.5248, 30.2260, 6.9852



17.0183, 30.2260, 14.7483

Triad

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



21.5248, 30.2260, 6.9852



21.3720, 30.2260, 90.3827



47.8837, 30.2260, 33.2190

Complementary

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



21.5248, 30.2260, 6.9852



10.8663, 6.1310, 34.7948

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.



44.8608, 30.2260, 61.9559



21.5248, 30.2260, 6.9852



28.6218, 30.2260, 103.2936

Square

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



21.5248, 30.2260, 6.9852



16.9428, 30.2260, 61.1486



37.3840, 30.2260, 90.9861



45.0052, 30.2260, 15.0620

Rectangle

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



21.5248, 30.2260, 6.9852



15.6893, 30.2260, 25.3230



37.3840, 30.2260, 90.9861



47.5167, 30.2260, 41.8809

Sweetspot

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



21.5255, 30.2273, 6.9858



53.1217, 61.4199, 44.6943



18.2564, 13.6947, 3.9670



11.7228, 13.6997, 9.4721



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.



21.5255, 30.2273, 6.9858



36.3250, 53.5256, 9.3593



15.5252, 27.1341, 6.7050



7.4227, 8.1204, 7.5563



15.1847, 22.9385, 3.6273



0.3655, 0.5059, 0.0784

Inverse Universe

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



10.8663, 6.1310, 34.7948



16.0745, 7.4478, 62.6465



18.2327, 9.9285, 35.1395



6.9090, 6.9674, 8.8838



6.3399, 2.6748, 27.1119



0.1812, 0.0809, 0.5719

Previews

White Background



This preview shows how the XYZ color 21.5248, 30.2260, 6.9852 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 21.5248, 30.2260, 6.9852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

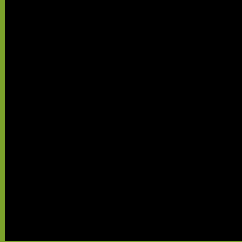
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.5248, 30.2260, 6.9852

Background



This preview shows how black text looks on a background with the XYZ color 21.5248, 30.2260, 6.9852.



This preview shows how white text looks on a background with the XYZ color 21.5248, 30.2260,

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

21.5248, 30.2260, 6.9852

Protanopia

27.0668, 29.8636, 6.3452

Deuteranopia

30.3721, 29.7279, 7.2692



Tritanopia

27.9940, 30.0959, 38.9840

Trichromacy



Original Color

21.5248, 30.2260, 6.9852

Protanomaly

24.7183, 29.8506, 6.5568

Deuteranomaly

26.3852, 29.4948, 7.0987

Tritanomaly

24.5668, 29.6801, 21.8868

Monochromacy



Original Color

21.5248, 30.2260, 6.9852

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.2428, 26.4426, 16.7636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5248, 30.2260, 6.9852 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, 43)` looks like.

```
.text, #text, p{  
    color:rgb(123, 162, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 162, 43) }
```

Border

The CSS property to change the border of an element to XYZ 21.5248, 30.2260, 6.9852 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, 43) }
```


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

```
.border{ border-color:rgb(123, 162, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 162, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 162, 43);  
box-shadow:4px 4px 4px 4px rgb(123, 162,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5248, 30.2260, 6.9852 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, 43) }
```

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

```
.background{ background-color: rgb(123,  
162, 43) }
```

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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