

Converting Colors

XYZ(21.8269, 30.0810, 4.6558)

Have a look what the booklet for
XYZ(21.8269, 30.0810, 4.6558)
contains.

XYZ(21.9508, 30.2356, 4.6791)	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(21.9508, 30.2356,
4.6791)**

Conversions

Conversions Part 1

Format	Color
Hex	82A100
RGB	130, 161, 0
RGB Percent	51%, 63%, 0%
CMY	0.4902, 0.3686, 0.9999
CMYK	0.19, 0.00, 1.00, 0.37
HSL	72°, 100%, 32%
HSV	72°, 100%, 63%
XYZ	21.9508, 30.2356, 4.6791
YIQ	133.3770, 33.2050, -56.6430

Conversions

Conversions Part 2

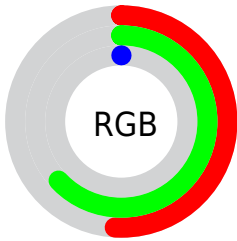
Format	Color
RYB	0, 161, 31
Decimal	8560896
CIELab	61.86, -28.82, 64.18
CIELCh	62, 70.358, 114.185
Yxy	30.2356, 0.3860, 0.5317
Android (android.graphics.Color)	4286750976 (0xFF82A100)
YUV	133.3770, -65.7549, -2.9616
Hunter-Lab	54.9869, -24.9698, 33.4456

Details

The XYZ color **21.9508, 30.2356, 4.6791** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.9991, 2.8652, 33.9042**, and the grayscale version is **22.6574, 23.8373, 25.9588**.

A 20% lighter version of the original color is **46.2854, 60.1709, 15.6532**, and **8.3703, 12.4331, 1.9587** is the 20% darker color. If you saturate the color by 10%, you get **21.9510, 30.2367, 4.6793**, and if you desaturate by 10%, it is **22.5286, 30.5236, 5.1989**.

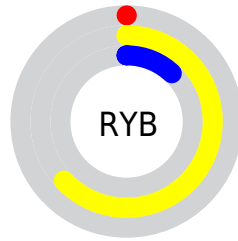
Distribution



Red (51%)

Green (63%)

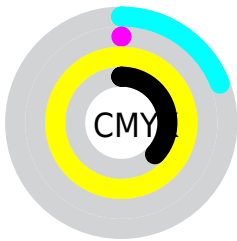
Blue (0%)



Red (0%)

Yellow (63%)

Blue (12%)

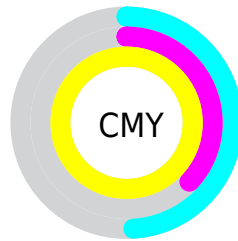


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (49%)

Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9508, 30.2356, 4.6791 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 21.9508, 30.2356, 4.6791 by changing the saturation by 10% instead.

■ 21.9508, 30.2356,
4.6791

■ 21.9508, 30.2356,
4.6791

254.9264,
303.0011, 155.4984

■ 13.9372, 20.0175,
2.0048

■ 46.1441, 60.0346,
15.5479

■ 8.1584, 12.4078,
0.5582

■ 63.0545, 80.3842,
24.5796

■ 4.2491, 7.0220,
0.0000

■ 83.6612, 104.8798,
36.5674

■ 1.8440, 3.4759,
0.0000

■ 108.3295,
133.9058, 51.9300

■ 0.5440, 1.3849,
0.0000

■ 137.4249,
167.8465, 71.0858


■ 0.0000, 0.2056,
0.0000


■ 171.3125,


■ 0.0000, 0.0000,


207.0863, 94.4535


0.0000


 210.3580,
252.0098, 122.4515


 21.9508, 30.2356,
4.6791


 21.9508, 30.2356,
4.6791


 21.9510, 30.2367,
4.6793

 22.5286, 30.5236,
5.1989

 23.1952, 30.8477,
6.1135

 23.9835, 31.2221,
7.5929

 24.9073, 31.6525,
9.7094

 25.9786, 32.1435,
12.5247

■ 27.2076, 32.6994,
16.0932

■ 28.6039, 33.3239,
20.4637

■ 30.1760, 34.0206,
25.6812

■ 31.9321, 34.7925,
31.7871

Harmonies

Analogous

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



30.6086, 30.2356, 3.6082



21.9508, 30.2356, 4.6791



16.4314, 30.2356, 10.9704

Triad

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



21.9508, 30.2356, 4.6791



19.4055, 30.2356, 95.2680



50.7315, 30.2356, 38.4498

Complementary

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



21.9508, 30.2356, 4.6791



6.9991, 2.8652, 33.9042

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.



46.0284, 30.2356, 73.4541



21.9508, 30.2356, 4.6791



26.9453, 30.2356, 115.9422

Square

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



21.9508, 30.2356, 4.6791



15.2018, 30.2356, 59.0087



36.7973, 30.2356, 106.3207



48.5812, 30.2356, 15.9418

Rectangle

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



21.9508, 30.2356, 4.6791



14.6193, 30.2356, 20.7327



36.7973, 30.2356, 106.3207



49.8729, 30.2356, 49.1407

Sweetspot

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



21.9515, 30.2370, 4.6797



51.0731, 59.6098, 36.1593



15.1513, 8.4824, 0.8391



10.9783, 12.9739, 7.2220



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.9515, 30.2370, 4.6797



39.1508, 54.0663, 8.3724



14.1106, 26.1948, 4.3128



7.5151, 8.1680, 7.5606



17.5632, 24.1647, 3.7386



0.4014, 0.5245, 0.0801

Inverse Universe

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



6.9991, 2.8652, 33.9042



12.4066, 5.0649, 60.7103



12.8669, 5.8902, 34.1788



6.8219, 6.9226, 8.8797



5.6166, 2.3019, 27.0781



0.1510, 0.0654, 0.5705

Previews

White Background



This preview shows how the XYZ color 21.9508, 30.2356, 4.6791 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 21.9508, 30.2356, 4.6791 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 21.9508, 30.2356, 4.6791

Background



This preview shows how black text looks on a background with the XYZ color 21.9508, 30.2356, 4.6791.



This preview shows how white text looks on a background with the XYZ color 21.9508, 30.2356,

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

21.9508, 30.2356, 4.6791

Protanopia

27.0548, 30.1375, 4.3912

Deuteranopia

30.4857, 29.8298, 5.3134



Tritanopia

28.7556, 30.2610, 38.5078

Trichromacy



Original Color

21.9508, 30.2356, 4.6791

Protanomaly

24.8820, 29.9812, 4.4755

Deuteranomaly

26.6354, 29.4390, 4.8507

Tritanomaly

24.4850, 29.4937, 17.2343

Monochromacy



Original Color

21.9508, 30.2356, 4.6791

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.9779, 25.2063, 12.3540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9508, 30.2356, 4.6791 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(130, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 161, 0)  
}
```

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(130, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 161, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.9508, 30.2356, 4.6791 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(130, 161, 0) }
```


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

```
.border{ border-color:rgb(130, 161, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 161, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 161,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9508, 30.2356, 4.6791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 161, 0) }
```

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

```
.background{ background-color: rgb(130,  
161, 0) }
```

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