

Converting Colors

XYZ(21.4375, 29.3158, 7.0450)

Have a look what the booklet for
XYZ(21.4375, 29.3158, 7.0450)
contains.

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Color

**XYZ(21.4760, 29.4214,
7.0296)**

Conversions

Conversions Part 1

Format	Color
Hex	7E9F2D
RGB	126, 159, 45
RGB Percent	49%, 62%, 18%
CMY	0.5059, 0.3765, 0.8235
CMYK	0.21, 0.00, 0.72, 0.38
HSL	77°, 56%, 40%
HSV	77°, 72%, 62%
XYZ	21.4760, 29.4214, 7.0296
YIQ	136.1370, 16.9260, -42.4500

Conversions

Conversions Part 2

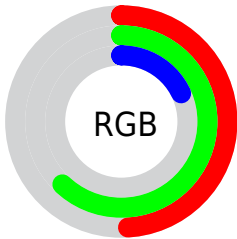
Format	Color
RYB	45, 159, 78
Decimal	8298285
CIELab	61.15, -28.01, 52.79
CIElCh	61, 59.759, 117.954
Yxy	29.4214, 0.3707, 0.5079
Android (android.graphics.Color)	4286488365 (0xFF7E9F2D)
YUV	136.1370, -44.9305, -8.8901
Hunter-Lab	54.2415, -24.2486, 30.2852

Details

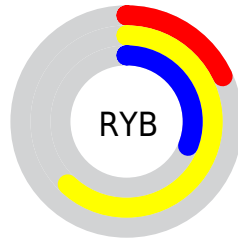
The XYZ color **21.4760, 29.4214, 7.0296** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.3394, 6.0004, 33.4159**, and the grayscale version is **23.6126, 24.8423, 27.0533**.

A 20% lighter version of the original color is **45.3072, 58.7987, 20.5166**, and **8.0053, 11.9319, 1.8812** is the 20% darker color. If you saturate the color by 10%, you get **20.5627, 28.9805, 5.6791**, and if you desaturate by 10%, it is **22.5372, 29.9272, 8.9901**.

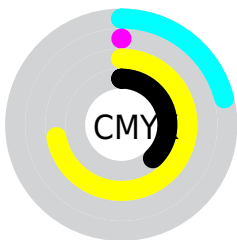
Distribution



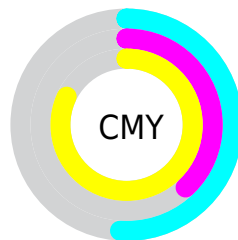
- Red (49%)
- Green (62%)
- Blue (18%)



- Red (18%)
- Yellow (62%)
- Blue (31%)



- Cyan (21%)
- Magenta (0%)
- Yellow (72%)
- Black (38%)





- Cyan (51%)
- Magenta (38%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4760, 29.4214, 7.0296 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 21.4760, 29.4214, 7.0296 by changing the saturation by 10% instead.


 21.4760, 29.4214,
7.0296


 21.4760, 29.4214,
7.0296


252.4816,
299.1981, 177.5497


 13.5868, 19.3998,
3.4019


 45.3637, 58.7459,
20.5466

 7.9136, 11.9595,
1.3033


 62.0930, 78.8177,
31.2730

 4.0911, 6.7161,
0.0645


 82.4997, 103.0083,
45.2027

 1.7538, 3.2852,
0.0000

 106.9491,
131.7022, 62.7542

 0.4896, 1.2824,
0.0000

 135.8067,
165.2837, 84.3462

 0.0000, 0.1275,
0.0000

 169.4377,

 0.0000, 0.0000,

204.1373, 110.3970

0.0000

208.2075,
248.6473, 141.3254

■ 21.4760, 29.4214,
7.0296

■ 21.4760, 29.4214,
7.0296

■ 20.5627, 28.9805,
5.6791

■ 22.5372, 29.9272,
8.9901

■ 19.7811, 28.5948,
4.8644

■ 23.7564, 30.4987,
11.6198

■ 19.2051, 28.3064,
4.4515

■ 25.1447, 31.1417,
14.9732

■ 26.7118, 31.8598,
19.0986

■ 28.4664, 32.6568,
24.0400

■ 30.4166, 33.5358,
29.8382

■ 32.5700, 34.5001,
36.5313

■ 34.9338, 35.5524,
44.1551

■ 37.5148, 36.6955,
52.7434

Harmonies

Analogous

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



28.5060, 29.4214, 5.3600



21.4760, 29.4214, 7.0296



17.0334, 29.4214, 14.1529

Triad

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



21.4760, 29.4214, 7.0296



20.7035, 29.4214, 84.3352



45.8976, 29.4214, 33.6016

Complementary

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



21.4760, 29.4214, 7.0296



10.3394, 6.0004, 33.4159

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.



42.7876, 29.4214, 60.8388



21.4760, 29.4214, 7.0296



27.4293, 29.4214, 97.4532

Square

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



21.4760, 29.4214, 7.0296



16.6495, 29.4214, 56.8346



35.6428, 29.4214, 87.3090



43.5064, 29.4214, 15.7592

Rectangle

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



21.4760, 29.4214, 7.0296



15.6599, 29.4214, 23.8425



35.6428, 29.4214, 87.3090



45.4505, 29.4214, 41.9170

Sweetspot

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



21.4767, 29.4227, 7.0302



50.7396, 58.3743, 42.3617



17.4478, 12.9112, 4.0555



11.2542, 13.0766, 9.0202



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.



21.4767, 29.4227, 7.0302



35.9660, 51.4770, 9.1975



15.3770, 26.2782, 6.7448



6.9829, 7.6239, 7.0892



15.2107, 22.3781, 3.5177



0.3114, 0.4205, 0.0647

Inverse Universe

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



10.3394, 6.0004, 33.4159



14.9822, 7.0781, 59.3200



17.0769, 9.4737, 33.7312



6.4562, 6.5236, 8.3256



5.8709, 2.4556, 26.0718



0.1438, 0.0639, 0.4680

Previews

White Background



This preview shows how the XYZ color 21.4760, 29.4214, 7.0296 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 21.4760, 29.4214, 7.0296 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 21.4760, 29.4214, 7.0296

Background



This preview shows how black text looks on a background with the XYZ color 21.4760, 29.4214, 7.0296.



This preview shows how white text looks on a background with the XYZ color 21.4760, 29.4214,

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

21.4760, 29.4214, 7.0296

Protanopia

26.5249, 29.3463, 6.4569

Deuteranopia

29.7651, 29.1944, 7.3151



Tritanopia

27.5825, 29.2068, 37.4414

Trichromacy



Original Color

21.4760, 29.4214, 7.0296

Protanomaly

24.4268, 29.2102, 6.6362

Deuteranomaly

26.0924, 28.8757, 7.1041

Tritanomaly

24.3298, 28.8328, 21.4225

Monochromacy



Original Color

21.4760, 29.4214, 7.0296

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.9372, 25.8313, 16.6617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4760, 29.4214, 7.0296 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(126, 159, 45)` looks like.

```
.text, #text, p{  
    color:rgb(126, 159, 45)  
}
```

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(126, 159, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 159, 45) }
```

Border

The CSS property to change the border of an element to XYZ 21.4760, 29.4214, 7.0296 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(126, 159, 45) }
```


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

```
.border{ border-color:rgb(126, 159, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 159, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 159, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 159, 45);  
box-shadow:4px 4px 4px 4px rgb(126, 159,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4760, 29.4214, 7.0296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 159, 45) }
```

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

```
.background{ background-color: rgb(126,  
159, 45) }
```

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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