

Converting Colors

XYZ(12.8357, 21.7158, 5.5440)

Have a look what the booklet for
XYZ(12.8357, 21.7158, 5.5440)
contains.

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Color

**XYZ(12.7552, 21.5622,
5.4971)**

Conversions

Conversions Part 1

Format	Color
Hex	429128
RGB	66, 145, 40
RGB Percent	26%, 57%, 16%
CMY	0.7412, 0.4314, 0.8431
CMYK	0.54, 0.00, 0.72, 0.43
HSL	105°, 57%, 36%
HSV	105°, 72%, 57%
XYZ	12.7552, 21.5622, 5.4971
YIQ	109.4090, -13.3790, -49.4030

Conversions

Conversions Part 2

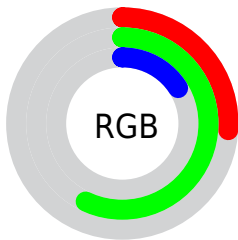
Format	Color
RYB	40, 145, 119
Decimal	4362536
CIELab	53.56, -43.84, 46.01
CIELCh	54, 63.551, 133.614
Yxy	21.5622, 0.3204, 0.5416
Android (android.graphics.Color)	4282552616 (0xFF429128)
YUV	109.4090, -34.2186, -38.0697
Hunter-Lab	46.4351, -32.2295, 25.4857

Details

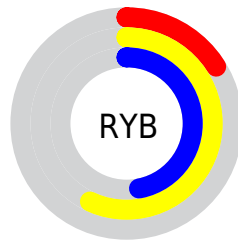
The XYZ color **12.7552, 21.5622, 5.4971** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.4783, 7.4845, 27.5234**, and the grayscale version is **14.7499, 15.5180, 16.8991**.

A 20% lighter version of the original color is **30.6121, 46.2188, 17.4329**, and **3.9144, 7.8287, 1.3048** is the 20% darker color. If you saturate the color by 10%, you get **11.8873, 21.1388, 4.4021**, and if you desaturate by 10%, it is **13.8570, 22.0968, 7.0871**.

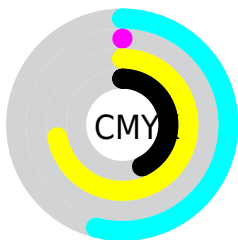
Distribution



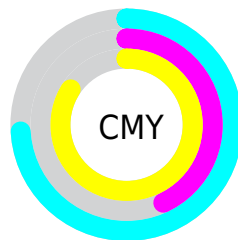
- Red (26%)
- Green (57%)
- Blue (16%)



- Red (16%)
- Yellow (57%)
- Blue (47%)



- Cyan (54%)
- Magenta (0%)
- Yellow (72%)
- Black (43%)



- Cyan (74%)
- Magenta (43%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7552, 21.5622, 5.4971 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 12.7552, 21.5622, 5.4971 by changing the saturation by 10% instead.

■ 12.7552, 21.5622,
5.4971

■ 12.7552, 21.5622,
5.4971

203.0122,
260.2514, 163.6421

■ 7.3360, 13.5356,
2.4780

■ 30.4684, 46.0213,
17.3371

■ 3.7213, 7.7984,
0.8285

■ 43.4930, 63.2226,
26.9950

■ 1.5457, 3.9662,
0.0000

■ 59.7836, 84.2509,
39.7030

■ 0.3566, 1.6547,
0.0000

■ 79.7054, 109.4906,
55.8795

■ 0.0000, 0.3940,
0.0000

■ 103.6239,
139.3261, 75.9432

■ 0.0000, 0.0000,
0.0000

■ 131.9042,

174.1418, 100.3124

164.9119,
214.3221, 129.4059

■ 12.7552, 21.5622,
5.4971

■ 12.7552, 21.5622,
5.4971

■ 11.8873, 21.1388,
4.4021

■ 13.8570, 22.0968,
7.0871

■ 11.2327, 20.8153,
3.7424

■ 15.2077, 22.7473,
9.2200

■ 10.8500, 20.6249,
3.4092

■ 16.8229, 23.5215,
11.9395

■ 18.7165, 24.4255,
15.2845

■ 20.9010, 25.4653,
19.2906

■ 23.3885, 26.6462,
23.9909

■ 26.1903, 27.9734,
29.4158

■ 29.3170, 29.4518,
35.5945

■ 32.7787, 31.0859,
42.5540

Harmonies

Analogous

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



17.5773, 21.5622, 2.6782



12.7552, 21.5622, 5.4971



10.3618, 21.5622, 14.4441

Triad

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



12.7552, 21.5622, 5.4971



17.0332, 21.5622, 80.5715



35.9483, 21.5622, 15.7430

Complementary

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



12.7552, 21.5622, 5.4971



13.4783, 7.4845, 27.5234

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.



35.7115, 21.5622, 35.6591



12.7552, 21.5622, 5.4971



23.7172, 21.5622, 81.6396

Square

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



12.7552, 21.5622, 5.4971



12.4329, 21.5622, 59.7789



30.8619, 21.5622, 62.1917



31.4514, 21.5622, 5.9966

Rectangle

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



12.7552, 21.5622, 5.4971



10.0455, 21.5622, 25.9094



30.8619, 21.5622, 62.1917



36.4454, 21.5622, 21.2029

Sweetspot

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



12.7557, 21.5631, 5.4976



37.4097, 45.5936, 34.5091



18.6280, 19.3081, 4.7528



8.1057, 10.0398, 7.2751



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.7557, 21.5631, 5.4976



20.4955, 37.4644, 7.0445



11.9918, 21.0991, 8.6340



5.4602, 6.0899, 5.7770



9.3270, 17.7009, 2.9250



0.1067, 0.1783, 0.0288

Inverse Universe

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



13.4783, 7.4845, 27.5234



21.7125, 10.6372, 48.8824



15.7514, 8.8638, 18.2557



5.4976, 5.4447, 6.7899



9.8278, 4.5600, 23.3393



0.1140, 0.0539, 0.2241

Previews

White Background



This preview shows how the XYZ color 12.7552, 21.5622, 5.4971 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 12.7552, 21.5622, 5.4971 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 12.7552, 21.5622, 5.4971

Background



This preview shows how black text looks on a background with the XYZ color 12.7552, 21.5622, 5.4971.



This preview shows how white text looks on a background with the XYZ color 12.7552, 21.5622,

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

12.7552, 21.5622, 5.4971

Protanopia

19.2204, 21.1397, 4.6575

Deuteranopia

21.4923, 21.1656, 5.8583



Tritanopia

17.6900, 21.3817, 30.3888

Trichromacy



Original Color

12.7552, 21.5622, 5.4971

Protanomaly

15.9293, 20.8286, 4.9310

Deuteranomaly

16.9332, 20.5225, 5.6535

Tritanomaly

15.1109, 21.1890, 17.2034

Monochromacy



Original Color

12.7552, 21.5622, 5.4971

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.0740, 16.8863, 10.9578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7552, 21.5622, 5.4971 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(66, 145, 40)` looks like.

```
.text, #text, p{  
    color:rgb(66, 145, 40)  
}
```

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(66, 145, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 145, 40) }
```

Border

The CSS property to change the border of an element to XYZ 12.7552, 21.5622, 5.4971 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(66, 145, 40) }
```


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

```
.border{ border-color:rgb(66, 145, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 145, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 145, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 145, 40);  
box-shadow:4px 4px 4px 4px rgb(66, 145,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7552, 21.5622, 5.4971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 145, 40) }
```

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

```
.background{ background-color: rgb(66, 145,  
40) }
```

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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