

Converting Colors

XYZ(12.8145, 22.3138, 7.5204)

Have a look what the booklet for
XYZ(12.8145, 22.3138, 7.5204)
contains.

XYZ(12.7446, 22.2053, 7.4852)	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(12.7446, 22.2053,
7.4852)**

Conversions

Conversions Part 1

Format	Color
Hex	349439
RGB	52, 148, 57
RGB Percent	20%, 58%, 22%
CMY	0.7961, 0.4196, 0.7765
CMYK	0.65, 0.00, 0.61, 0.42
HSL	123°, 48%, 39%
HSV	123°, 65%, 58%
XYZ	12.7446, 22.2053, 7.4852
YIQ	108.9220, -28.0050, -48.6530

Conversions

Conversions Part 2

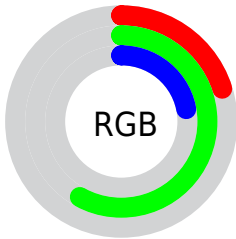
Format	Color
RYB	52, 143, 148
Decimal	3445817
CIELab	54.24, -46.86, 39.18
CIELCh	54, 61.081, 140.100
Yxy	22.2053, 0.3003, 0.5233
Android (android.graphics.Color)	4281635897 (0xFF349439)
YUV	108.9220, -25.5975, -49.9206
Hunter-Lab	47.1225, -34.1878, 23.5678

Details

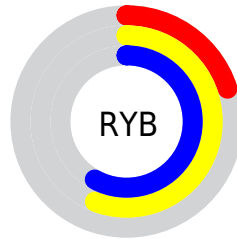
The XYZ color **12.7446, 22.2053, 7.4852** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **18.3993, 10.7354, 27.0894**, and the grayscale version is **14.5902, 15.3500, 16.7161**.

A 20% lighter version of the original color is **30.4402, 47.0884, 21.3945**, and **4.1993, 8.3723, 1.4808** is the 20% darker color. If you saturate the color by 10%, you get **11.7961, 21.7520, 5.8598**, and if you desaturate by 10%, it is **14.0298, 22.8223, 9.6322**.

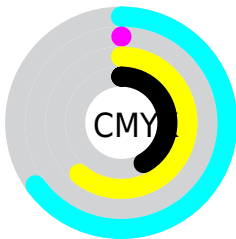
Distribution



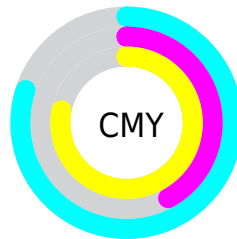
- Red (20%)
- Green (58%)
- Blue (22%)



- Red (20%)
- Yellow (56%)
- Blue (58%)



- Cyan (65%)
- Magenta (0%)
- Yellow (61%)
- Black (42%)



- Cyan (80%)
- Magenta (42%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7446, 22.2053, 7.4852 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 12.7446, 22.2053, 7.4852 by changing the saturation by 10% instead.

■ 12.7446, 22.2053,
7.4852

■ 12.7446, 22.2053,
7.4852

202.9452,
263.6165, 181.4177

■ 7.3287, 14.0078,
3.6843

■ 30.4494, 47.0851,
21.4721

■ 3.7167, 8.1261,
1.4538

■ 43.4690, 64.5362,
32.4953

■ 1.5431, 4.1758,
0.1832

■ 59.7539, 85.8406,
46.7629

■ 0.3549, 1.7724,
0.0000

■ 79.6695, 111.3828,
64.6936

■ 0.0000, 0.4699,
0.0000

■ 103.5810,
141.5470, 86.7059

■ 0.0000, 0.0000,
0.0000

■ 131.8539,

176.7178, 113.2183

164.8535,
217.2795, 144.6494

■ 12.7446, 22.2053,
7.4852

■ 12.7446, 22.2053,
7.4852

■ 11.7961, 21.7520,
5.8598

■ 14.0298, 22.8223,
9.6322

■ 11.1512, 21.4443,
4.7102

■ 15.6775, 23.6136,
12.3386

■ 10.7711, 21.2640,
3.9854

■ 17.7130, 24.5919,
15.6401

■ 10.6326, 21.1976,
3.7526

■ 20.1587, 25.7683,
19.5692

■ 23.0353, 27.1527,
24.1563

■ 26.3622, 28.7545,
29.4293

■ 30.1576, 30.5825,
35.4149

■ 34.4387, 32.6452,
42.1383

■ 39.2218, 34.9502,
49.6233

Harmonies

Analogous

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



17.0131, 22.2053, 3.5262



12.7446, 22.2053, 7.4852



10.8574, 22.2053, 18.4180

Triad

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



12.7446, 22.2053, 7.4852



18.9847, 22.2053, 81.0842



35.5167, 22.2053, 13.6591

Complementary

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



12.7446, 22.2053, 7.4852



18.3993, 10.7354, 27.0894

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.



36.3548, 22.2053, 31.0282



12.7446, 22.2053, 7.4852



25.8065, 22.2053, 77.3707

Square

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



12.7446, 22.2053, 7.4852



13.9266, 22.2053, 64.5009



32.4995, 22.2053, 56.0528



30.4048, 22.2053, 5.5716

Rectangle

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



12.7446, 22.2053, 7.4852



10.8624, 22.2053, 31.1773



32.4995, 22.2053, 56.0528



36.3437, 22.2053, 18.3132

Sweetspot

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



12.7451, 22.2062, 7.4857



38.2554, 46.7583, 38.8204



22.5730, 27.2864, 7.3259



8.4336, 10.5299, 8.3844



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.7451, 22.2062, 7.4857



20.2157, 38.0935, 9.2877



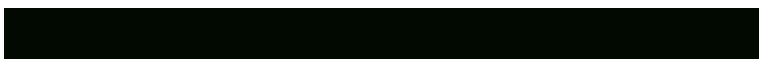
14.5462, 22.9266, 16.9699



5.7411, 6.4730, 6.2476



9.0848, 18.1067, 3.2221



0.1136, 0.2226, 0.0522

Inverse Universe

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



18.3993, 10.7354, 27.0894



30.9765, 16.2089, 46.5569



15.5160, 9.5821, 11.9063



6.0224, 5.9040, 7.2241



14.4963, 7.0036, 21.8923



0.1806, 0.0870, 0.2849

Previews

White Background



This preview shows how the XYZ color 12.7446, 22.2053, 7.4852 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 12.7446, 22.2053, 7.4852 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 12.7446, 22.2053, 7.4852

Background



This preview shows how black text looks on a background with the XYZ color 12.7446, 22.2053, 7.4852.



This preview shows how white text looks on a background with the XYZ color 12.7446, 22.2053,

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

12.7446, 22.2053, 7.4852

Protanopia

19.9494, 21.8688, 6.3016

Deuteranopia

22.3064, 21.9070, 7.9033



Tritanopia

17.7181, 22.2037, 32.2061

Trichromacy



Original Color

12.7446, 22.2053, 7.4852



Protanomaly

16.0023, 21.2449, 6.6254



Deuteranomaly

16.8393, 20.8325, 7.5484



Tritanomaly

15.1401, 21.8002, 19.9329

Monochromacy



Original Color

12.7446, 22.2053, 7.4852



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

12.9529, 16.9788, 12.2674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7446, 22.2053, 7.4852 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(52, 148, 57)` looks like.

```
.text, #text, p{  
    color:rgb(52, 148, 57)  
}
```

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(52, 148, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 148, 57) }
```

Border

The CSS property to change the border of an element to XYZ 12.7446, 22.2053, 7.4852 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(52, 148, 57) }
```


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

```
.border{ border-color:rgb(52, 148, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 148, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 148, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 148, 57);  
box-shadow:4px 4px 4px 4px rgb(52, 148,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7446, 22.2053, 7.4852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 148, 57) }
```

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

```
.background{ background-color: rgb(52, 148,  
57) }
```

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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