

Converting Colors

XYZ(13.4718, 25.7081, 7.2512)

Have a look what the booklet for
XYZ(13.4718, 25.7081, 7.2512)
contains.

XYZ(13.5343, 25.8302, 7.2900)	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(13.5343, 25.8302,
7.2900)**

Conversions

Conversions Part 1

Format	Color
Hex	10A132
RGB	16, 161, 50
RGB Percent	6%, 63%, 20%
CMY	0.9372, 0.3686, 0.8039
CMYK	0.90, 0.00, 0.69, 0.37
HSL	134°, 82%, 35%
HSV	134°, 90%, 63%
XYZ	13.5343, 25.8302, 7.2900
YIQ	104.9910, -50.7890, -65.2610

Conversions

Conversions Part 2

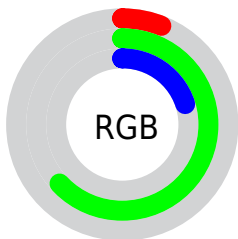
Format	Color
RYB	16, 133, 161
Decimal	1089842
CIELab	57.88, -57.33, 46.16
CIELCh	58, 73.605, 141.161
Yxy	25.8302, 0.2901, 0.5536
Android (android.graphics.Color)	4279279922 (0xFF10A132)
YUV	104.9910, -27.1106, -78.0451
Hunter-Lab	50.8234, -41.4064, 27.0720

Details

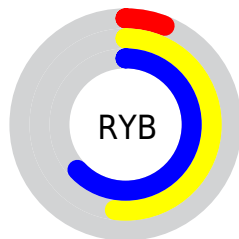
The XYZ color **13.5343, 25.8302, 7.2900** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **18.7148, 9.4804, 20.9230**, and the grayscale version is **13.5065, 14.2099, 15.4746**.

A 20% lighter version of the original color is **31.8272, 52.9647, 21.1161**, and **5.3626, 10.7251, 1.7875** is the 20% darker color. If you saturate the color by 10%, you get **13.0913, 25.6291, 6.0698**, and if you desaturate by 10%, it is **14.2228, 26.1509, 8.9029**.

Distribution



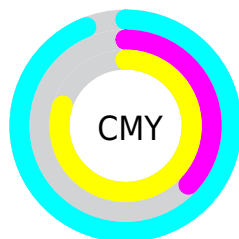
- Red (6%)
- Green (63%)
- Blue (20%)



- Red (6%)
- Yellow (52%)
- Blue (63%)



- Cyan (90%)
- Magenta (0%)
- Yellow (69%)
- Black (37%)



- Cyan (94%)
- Magenta (37%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5343, 25.8302, 7.2900 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 13.5343, 25.8302, 7.2900 by changing the saturation by 10% instead.

■ 13.5343, 25.8302,
7.2900

■ 13.5343, 25.8302,
7.2900

207.8832,
281.9475, 179.7734

■ 7.8770, 16.6967,
3.5629

■ 31.8536, 53.0009,
21.0770

■ 4.0675, 10.0185,
1.3888

■ 45.2463, 71.8068,
31.9740

■ 1.7404, 5.4112,
0.1329

■ 61.9483, 94.6057,
46.0981

■ 0.4814, 2.4905,
0.0000

■ 82.3247, 121.7818,
63.8678

■ 0.0000, 0.8719,
0.0000

■ 106.7411,
153.7197, 85.7016

■ 0.0000, 0.0000,
0.0000

■ 135.5628,

190.8037, 112.0182

169.1550,
233.4182, 143.2359

■ 13.5343, 25.8302,
7.2900

■ 13.5343, 25.8302,
7.2900

■ 13.0913, 25.6291,
6.0698

■ 14.2228, 26.1509,
8.9029

■ 15.2321, 26.6274,
10.9314

■ 16.5990, 27.2787,
13.4027

■ 18.3545, 28.1205,
16.3410

■ 20.5265, 29.1666,
19.7689

■ 23.1398, 30.4294,
23.7072

■ 26.2176, 31.9203,
28.1759

■ 29.7814, 33.6501,
33.1935

■ 33.8510, 35.6287,
38.7780

Harmonies

Analogous

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



18.9036, 25.8302, 2.7571



13.5343, 25.8302, 7.2900



11.2781, 25.8302, 21.2784

Triad

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



13.5343, 25.8302, 7.2900



22.0267, 25.8302, 109.0499



44.0959, 25.8302, 13.9400

Complementary

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



13.5343, 25.8302, 7.2900



18.7148, 9.4804, 20.9230

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.



45.5083, 25.8302, 36.3015



13.5343, 25.8302, 7.2900



31.2237, 25.8302, 102.5001

Square

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



13.5343, 25.8302, 7.2900



15.3470, 25.8302, 85.7617



40.3424, 25.8302, 71.1220



36.8501, 25.8302, 4.6764

Rectangle

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



13.5343, 25.8302, 7.2900



11.3496, 25.8302, 38.6578



40.3424, 25.8302, 71.1220



45.3277, 25.8302, 19.7031

Sweetspot

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



13.5349, 25.8313, 7.2906



42.7666, 55.1365, 44.4078



21.6166, 30.0532, 5.1519



9.0204, 11.9185, 9.2106



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.



13.5349, 25.8313, 7.2906



23.3800, 45.8720, 10.5311



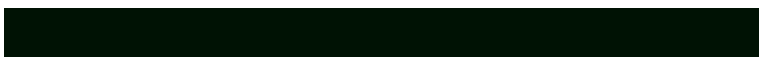
16.4928, 27.0144, 22.8668



7.0505, 7.9210, 7.8775



10.4689, 20.4739, 4.9197



0.2368, 0.4369, 0.1920

Inverse Universe

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



18.7148, 9.4804, 20.9230



32.6740, 16.1104, 34.6768



15.5656, 8.2207, 4.3394



7.2930, 7.1736, 8.5291



14.6228, 7.2052, 15.7362



0.3237, 0.1580, 0.4171

Previews

White Background



This preview shows how the XYZ color 13.5343, 25.8302, 7.2900 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 13.5343, 25.8302, 7.2900 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 13.5343, 25.8302, 7.2900

Background



This preview shows how black text looks on a background with the XYZ color 13.5343, 25.8302, 7.2900.



This preview shows how white text looks on a background with the XYZ color 13.5343, 25.8302,

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

13.5343, 25.8302, 7.2900

Protanopia

23.0607, 25.3274, 6.0561

Deuteranopia

25.7265, 25.2168, 7.7864



Tritanopia

19.8319, 25.6503, 38.5561

Trichromacy



Original Color

13.5343, 25.8302, 7.2900



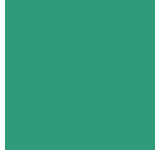
Protanomaly

16.4809, 23.6981, 6.2903



Deuteranomaly

17.4570, 23.2764, 7.3141



Tritanomaly

16.2874, 25.1447, 22.4073

Monochromacy



Original Color

13.5343, 25.8302, 7.2900



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.7210, 16.7396, 11.2076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5343, 25.8302, 7.2900 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(16, 161, 50)` looks like.

```
.text, #text, p{  
    color:rgb(16, 161, 50)  
}
```

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(16, 161, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 161, 50) }
```

Border

The CSS property to change the border of an element to XYZ 13.5343, 25.8302, 7.2900 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(16, 161, 50) }
```


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

```
.border{ border-color:rgb(16, 161, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 161, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 161, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 161, 50);  
box-shadow:4px 4px 4px 4px rgb(16, 161,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5343, 25.8302, 7.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 161, 50) }
```

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

```
.background{ background-color: rgb(16, 161,  
50) }
```

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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