

Converting Colors

XYZ(25.8451, 48.6806, 13.3884)

Have a look what the booklet for
XYZ(25.8451, 48.6806, 13.3884)
contains.

XYZ(25.7218, 48.4652, 13.3092)	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(25.7218, 48.4652,
13.3092)**

Conversions

Conversions Part 1

Format	Color
Hex	29D543
RGB	41, 213, 67
RGB Percent	16%, 84%, 26%
CMY	0.8392, 0.1647, 0.7372
CMYK	0.81, 0.00, 0.69, 0.16
HSL	129°, 68%, 50%
HSV	129°, 81%, 84%
XYZ	25.7218, 48.4652, 13.3092
YIQ	144.9280, -55.6460, -81.8700

Conversions

Conversions Part 2

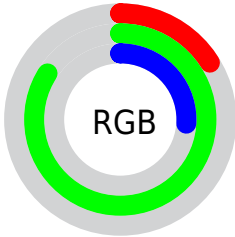
Format	Color
RYB	41, 190, 213
Decimal	2741571
CIELab	75.12, -69.33, 57.84
CIELCh	75, 90.294, 140.163
Yxy	48.4652, 0.2940, 0.5539
Android (android.graphics.Color)	4280931651 (0xFF29D543)
YUV	144.9280, -38.4185, -91.1449
Hunter-Lab	69.6170, -55.8782, 37.3969

Details

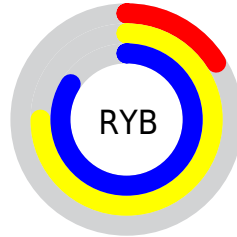
The XYZ color **25.7218, 48.4652, 13.3092** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **37.2042, 19.3204, 48.7816**, and the grayscale version is **27.0528, 28.4616, 30.9947**.

A 20% lighter version of the original color is **46.7441, 76.7767, 30.7681**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **24.6304, 47.9572, 10.8559**, and if you desaturate by 10%, it is **27.4438, 49.2816, 16.6779**.

Distribution



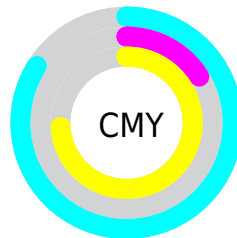
- Red (16%)
- Green (84%)
- Blue (26%)



- Red (16%)
- Yellow (75%)
- Blue (84%)



- Cyan (81%)
- Magenta (0%)
- Yellow (69%)
- Black (16%)



- Cyan (84%)
- Magenta (16%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7218, 48.4652, 13.3092 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 25.7218, 48.4652, 13.3092 by changing the saturation by 10% instead.

■ 25.7218, 48.4652,
13.3092

■ 25.7218, 48.4652,
13.3092

273.6955,
380.6331, 224.1669

■ 16.7472, 34.1954,
7.5086

■ 52.2603, 87.8966,
32.5575

■ 10.1486, 23.0438,
3.6989

■ 70.5549, 113.8271,
46.8422

■ 5.5606, 14.6258,
1.4617

■ 92.6870, 144.4132,
64.7920

■ 2.6179, 8.5572,
0.1891

■ 119.0218,
180.0395, 86.8255

■ 0.9551, 4.4535,
0.0000

■ 149.9247,
221.0902, 113.3612

■ 0.0000, 1.9303,
0.0000

185.7610,

■ 0.0000, 0.5665,

267.9498, 144.8176

0.0000

226.8962,
321.0026, 181.6133

■ 0.0000, 0.0000,
0.0000

■ 25.7218, 48.4652,
13.3092

■ 25.7218, 48.4652,
13.3092

■ 24.6304, 47.9572,
10.8559

■ 27.4438, 49.2816,
16.6779

■ 24.0587, 47.6959,
9.3192


■ 29.8722, 50.4395,
21.0368


■ 33.0756, 51.9743,
26.4568


■ 37.1132, 53.9150,
33.0013

■ 42.0385, 56.2882,
40.7289

 47.9007, 59.1179,
49.6939

 54.7450, 62.4264,
59.9474

 62.6138, 66.2346,
71.5374

 71.5472, 70.5620,
84.5097

Harmonies

Analogous

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



35.9581, 48.4652, 5.1522



25.7218, 48.4652, 13.3092



21.3162, 48.4652, 38.7021

Triad

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



25.7218, 48.4652, 13.3092



40.8474, 48.4652, 202.7781



82.7882, 48.4652, 27.2095

Complementary

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



25.7218, 48.4652, 13.3092



37.2042, 19.3204, 48.7816

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.



84.9954, 48.4652, 69.8912



25.7218, 48.4652, 13.3092



57.9071, 48.4652, 192.5555

Square

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



25.7218, 48.4652, 13.3092



28.5624, 48.4652, 158.0122



75.0213, 48.4652, 135.1538



69.5619, 48.4652, 9.2009

Rectangle

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



25.7218, 48.4652, 13.3092



21.3351, 48.4652, 70.5097



75.0213, 48.4652, 135.1538



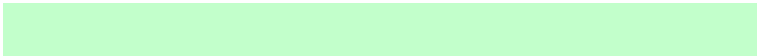
84.9481, 48.4652, 38.2878

Sweetspot

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



25.7230, 48.4672, 13.3103



68.7426, 87.2772, 69.7559



44.7388, 58.3410, 11.0008



14.0384, 18.3550, 13.8971



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



25.7230, 48.4672, 13.3103



36.3303, 71.7592, 14.4234



30.4432, 50.3553, 38.1666



12.3382, 13.9263, 13.5953



14.7192, 29.1430, 5.8167



0.9126, 1.7677, 0.4813

Inverse Universe

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



37.2042, 19.3204, 48.7816



53.9262, 26.4673, 68.3248



30.5935, 16.6761, 13.9701



12.8686, 12.5989, 15.2481



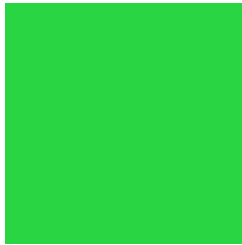
21.8743, 10.6860, 27.7058



1.3417, 0.6535, 1.7889

Previews

White Background



This preview shows how the XYZ color 25.7218, 48.4652, 13.3092 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 25.7218, 48.4652, 13.3092 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 25.7218, 48.4652, 13.3092

Background



This preview shows how black text looks on a background with the XYZ color 25.7218, 48.4652, 13.3092.

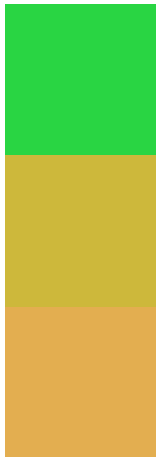


This preview shows how white text looks on a background with the XYZ color 25.7218, 48.4652,

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

25.7218, 48.4652, 13.3092

Protanopia

43.1067, 47.5759, 11.0488

Deuteranopia

48.2626, 47.1822, 14.1528



Tritanopia

37.3053, 48.1328, 71.6143

Trichromacy



Original Color

25.7218, 48.4652, 13.3092



Protanomaly

32.0617, 45.3978, 11.6302



Deuteranomaly

33.5513, 43.8454, 13.3513



Tritanomaly

30.9275, 47.2548, 41.2093

Monochromacy



Original Color

25.7218, 48.4652, 13.3092



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.6490, 33.1596, 21.9836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7218, 48.4652, 13.3092 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(41, 213, 67)` looks like.

```
.text, #text, p{  
    color:rgb(41, 213, 67)  
}
```

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(41, 213, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 213, 67) }
```

Border

The CSS property to change the border of an element to XYZ 25.7218, 48.4652, 13.3092 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(41, 213, 67) }
```


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

```
.border{ border-color:rgb(41, 213, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 213, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 213, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 213, 67);  
box-shadow:4px 4px 4px 4px rgb(41, 213,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7218, 48.4652, 13.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 213, 67) }
```

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

```
.background{ background-color: rgb(41, 213,  
67) }
```

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