

Converting Colors

XYZ(29.5917, 56.9762, 13.0068)

Have a look what the booklet for
XYZ(29.5917, 56.9762, 13.0068)
contains.

XYZ(29.7494, 57.2628, 13.0993)	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(29.7494, 57.2628,
13.0993)**

Conversions

Conversions Part 1

Format	Color
Hex	25E637
RGB	37, 230, 55
RGB Percent	15%, 90%, 22%
CMY	0.8549, 0.0980, 0.7843
CMYK	0.84, 0.00, 0.76, 0.10
HSL	126°, 79%, 52%
HSV	126°, 84%, 90%
XYZ	29.7494, 57.2628, 13.0993
YIQ	152.3430, -58.8530, -95.3410

Conversions

Conversions Part 2

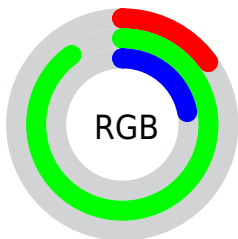
Format	Color
RYB	37, 214, 230
Decimal	2483767
CIELab	80.33, -75.72, 67.35
CIELCh	80, 101.339, 138.349
Yxy	57.2628, 0.2972, 0.5720
Android (android.graphics.Color)	4280673847 (0xFF25E637)
YUV	152.3430, -47.9901, -101.1558
Hunter-Lab	75.6722, -62.2517, 42.7071

Details

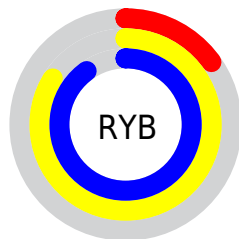
The XYZ color **29.7494, 57.2628, 13.0993** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **45.1796, 22.9004, 64.3258**, and the grayscale version is **30.2143, 31.7878, 34.6170**.

A 20% lighter version of the original color is **46.6824, 76.7999, 28.2830**, and **14.9436, 29.8871, 4.9812** is the 20% darker color. If you saturate the color by 10%, you get **28.7700, 56.8057, 10.9732**, and if you desaturate by 10%, it is **31.4613, 58.0765, 16.3640**.

Distribution



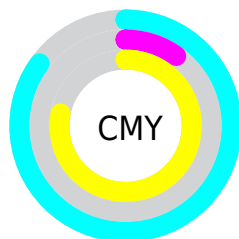
- Red (15%)
- Green (90%)
- Blue (22%)



- Red (15%)
- Yellow (84%)
- Blue (90%)



- Cyan (84%)
- Magenta (0%)
- Yellow (76%)
- Black (10%)



- Cyan (85%)
- Magenta (10%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7494, 57.2628, 13.0993 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 29.7494, 57.2628, 13.0993 by changing the saturation by 10% instead.

■ 29.7494, 57.2628,
13.0993

■ 29.7494, 57.2628,
13.0993

292.6654,
414.4333, 222.7832

■ 19.7956, 41.2163,
7.3654

■ 58.6550, 100.8485,
32.1759

■ 12.3539, 28.4881,
3.6098

■ 78.3375, 129.1566,
46.3556

■ 7.0591, 18.6939,
1.4138

■ 101.9936,
162.3205, 64.1878

■ 3.5458, 11.4493,
0.1525

■ 129.9886,
200.7248, 86.0909

■ 1.4485, 6.3699,
0.0000

■ 162.6880,
244.7538, 112.4834

■ 0.2904, 3.0713,
0.0000

200.4570,

■ 0.0000, 1.1691,

294.7920, 143.7840

0.0000

243.6610,
351.2237, 180.4110

■ 0.0000, 0.0362,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.7494, 57.2628,
13.0993

■ 29.7494, 57.2628,
13.0993

■ 28.7700, 56.8057,
10.9732


■ 31.4613, 58.0765,
16.3640


■ 28.4376, 56.6518,
10.1680


■ 34.0100, 59.2928,
20.8923


■ 37.4868, 60.9581,
26.7966


■ 41.9702, 63.1107,
34.1763

 47.5301, 65.7847,
43.1214

 54.2303, 69.0112,
53.7147

 62.1295, 72.8190,
66.0332

 71.2825, 77.2346,
80.1491

 81.7406, 82.2830,
96.1305

Harmonies

Analogous

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



42.8202, 57.2628, 4.6473



29.7494, 57.2628, 13.0993



23.9824, 57.2628, 42.0241

Triad

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



29.7494, 57.2628, 13.0993



46.7687, 57.2628, 254.2388



101.6916, 57.2628, 32.8795

Complementary

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



29.7494, 57.2628, 13.0993



45.1796, 22.9004, 64.3258

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.



103.5308, 57.2628, 88.3552



29.7494, 57.2628, 13.0993



67.9608, 57.2628, 245.5310

Square

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



29.7494, 57.2628, 13.0993



32.0052, 57.2628, 192.4218



89.9650, 57.2628, 173.1180



85.4401, 57.2628, 10.0415

Rectangle

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



29.7494, 57.2628, 13.0993



23.7522, 57.2628, 80.4337



89.9650, 57.2628, 173.1180



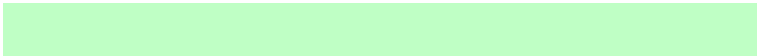
104.1442, 57.2628, 47.2018

Sweetspot

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



29.7507, 57.2652, 13.1006



67.4094, 86.6691, 66.1178



56.3403, 71.0137, 12.4880



13.7657, 18.2316, 13.1073



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.



29.7507, 57.2652, 13.1006



35.9227, 71.5851, 12.7767



34.5328, 59.1780, 38.2824



14.2437, 16.1109, 15.5479



16.1185, 32.0795, 5.8586



1.2099, 2.3781, 0.5319

Inverse Universe

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



45.1796, 22.9004, 64.3258



55.6937, 27.0415, 78.0420



36.5317, 19.4412, 18.7864



14.9341, 14.5908, 17.8533



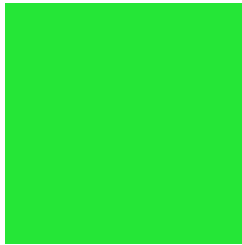
24.9831, 12.1275, 35.1357



1.8632, 0.9030, 2.6860

Previews

White Background



This preview shows how the XYZ color 29.7494, 57.2628, 13.0993 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 29.7494, 57.2628, 13.0993 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 29.7494, 57.2628, 13.0993

Background



This preview shows how black text looks on a background with the XYZ color 29.7494, 57.2628, 13.0993.

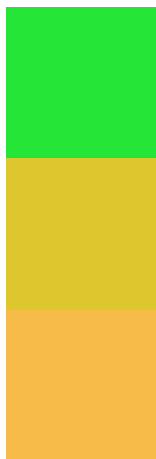


This preview shows how white text looks on a background with the XYZ color 29.7494, 57.2628, 13.0993.

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

29.7494, 57.2628, 13.0993

Protanopia

50.8314, 56.1230, 10.8430

Deuteranopia

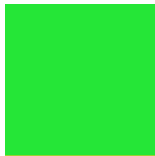
56.9790, 55.6145, 14.0349



Tritanopia

43.8676, 56.6287, 84.9623

Trichromacy



Original Color

29.7494, 57.2628, 13.0993



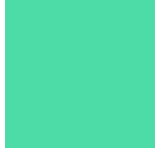
Protanomaly

37.1399, 53.2920, 11.3465



Deuteranomaly

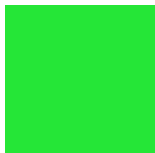
38.9169, 51.6513, 13.0728



Tritanomaly

35.7217, 55.5913, 45.8933

Monochromacy



Original Color

29.7494, 57.2628, 13.0993



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

25.9626, 37.2419, 22.6497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7494, 57.2628, 13.0993 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(37, 230, 55)` looks like.

```
.text, #text, p{  
    color:rgb(37, 230, 55)  
}
```

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(37, 230, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 230, 55) }
```

Border

The CSS property to change the border of an element to XYZ 29.7494, 57.2628, 13.0993 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(37, 230, 55) }
```


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

```
.border{ border-color:rgb(37, 230, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 230, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 230, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 230, 55);  
box-shadow:4px 4px 4px 4px rgb(37, 230,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7494, 57.2628, 13.0993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 230, 55) }
```

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

```
.background{ background-color: rgb(37, 230,  
55) }
```

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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