

Converting Colors

XYZ(25.5415, 48.8903, 10.3635)

Have a look what the booklet for
XYZ(25.5415, 48.8903, 10.3635)
contains.

XYZ(25.4789, 48.7811, 10.3583)	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(25.4789, 48.7811,
10.3583)**

Conversions

Conversions Part 1

Format	Color
Hex	2BD62B
RGB	43, 214, 43
RGB Percent	17%, 84%, 17%
CMY	0.8314, 0.1608, 0.8313
CMYK	0.80, 0.00, 0.80, 0.16
HSL	120°, 68%, 50%
HSV	120°, 80%, 84%
XYZ	25.4789, 48.7811, 10.3583
YIQ	143.3770, -47.0250, -89.4330

Conversions

Conversions Part 2

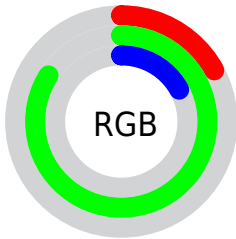
Format	Color
RYB	43, 214, 214
Decimal	2872875
CIELab	75.31, -71.21, 66.14
CIElCh	75, 97.184, 137.113
Yxy	48.7811, 0.3011, 0.5765
Android (android.graphics.Color)	4281062955 (0xFF2BD62B)
YUV	143.3770, -49.4859, -88.0306
Hunter-Lab	69.8435, -57.1093, 40.0973

Details

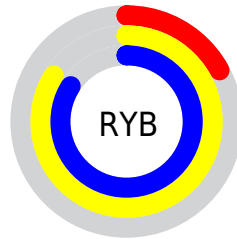
The XYZ color **25.4789, 48.7811, 10.3583** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **40.7339, 20.8795, 65.5002**, and the grayscale version is **26.4661, 27.8444, 30.3226**.

A 20% lighter version of the original color is **45.9539, 76.4923, 25.1744**, and **12.2269, 24.4537, 4.0756** is the 20% darker color. If you saturate the color by 10%, you get **24.5107, 48.3175, 8.7738**, and if you desaturate by 10%, it is **27.1252, 49.5734, 13.0505**.

Distribution



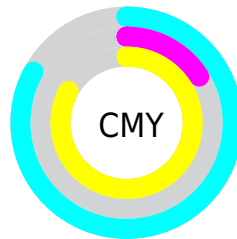
- Red (17%)
- Green (84%)
- Blue (17%)



- Red (17%)
- Yellow (84%)
- Blue (84%)



- Cyan (80%)
- Magenta (0%)
- Yellow (80%)
- Black (16%)



- Cyan (83%)
- Magenta (16%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4789, 48.7811, 10.3583 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 25.4789, 48.7811, 10.3583 by changing the saturation by 10% instead.

■ 25.4789, 48.7811,
10.3583

■ 25.4789, 48.7811,
10.3583

272.5184,
381.8799, 203.7874

■ 16.5648, 34.4459,
5.5285

■ 51.8704, 88.3663,
27.0856

■ 10.0181, 23.2363,
2.4964

■ 70.0785, 114.3850,
39.8201

■ 5.4733, 14.7681,
0.8383

■ 92.1154, 145.0670,
56.0265

■ 2.5651, 8.6568,
0.0000

■ 118.3464,
180.7966, 76.1235

■ 0.9282, 4.5180,
0.0000

■ 149.1369,
221.9584, 100.5296

■ 0.0000, 1.9673,
0.0000

■ 184.8521,

■ 0.0000, 0.5884,

268.9366, 129.6632

0.0000

225.8575,
322.1156, 163.9430

■ 0.0000, 0.0000,
0.0000

■ 25.4789, 48.7811,
10.3583

■ 25.4789, 48.7811,
10.3583

■ 24.5107, 48.3175,
8.7738

■ 27.1252, 49.5734,
13.0505

■ 24.0512, 48.0968,
8.0220


■ 29.5391, 50.7329,
16.9990


■ 24.0475, 48.0950,
8.0160

■ 32.8001, 52.2993,
22.3330


■ 36.9770, 54.3057,
29.1651

■ 42.1314, 56.7816,
37.5961

 48.3197, 59.7542,
47.7181

 55.5940, 63.2484,
59.6163

 64.0027, 67.2875,
73.3702

 73.5916, 71.8936,
89.0542

Harmonies

Analogous

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



36.9753, 48.7811, 3.6620



25.4789, 48.7811, 10.3583



20.2975, 48.7811, 34.0591

Triad

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



25.4789, 48.7811, 10.3583



39.1194, 48.7811, 218.2642



87.5437, 48.7811, 29.1100

Complementary

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



25.4789, 48.7811, 10.3583



40.7339, 20.8795, 65.5002

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.



88.5489, 48.7811, 78.2096



25.4789, 48.7811, 10.3583



57.2232, 48.7811, 213.4829

Square

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



25.4789, 48.7811, 10.3583



26.6994, 48.7811, 162.6912



76.3560, 48.7811, 152.1112



73.8856, 48.7811, 8.7274

Rectangle

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



25.4789, 48.7811, 10.3583



19.9531, 48.7811, 66.2489



76.3560, 48.7811, 152.1112



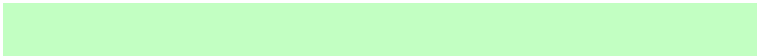
89.4769, 48.7811, 41.8418

Sweetspot

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



25.4800, 48.7831, 10.3594



67.6722, 86.8490, 64.1193



52.2162, 62.5662, 11.6101



13.7898, 18.2555, 12.5876



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.



25.4800, 48.7831, 10.3594



35.9436, 71.6082, 12.2205



28.9733, 50.1804, 28.7548



12.2625, 13.8960, 13.1967



14.5346, 29.0692, 4.8450



0.8767, 1.7533, 0.2923

Inverse Universe

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



40.7339, 20.8795, 65.5002



59.3994, 28.7009, 97.0099



32.5261, 17.5964, 22.2782



12.9531, 12.6327, 15.6931



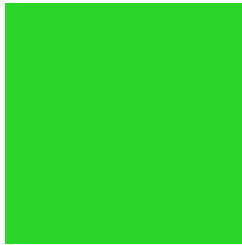
24.0978, 11.5754, 39.4145



1.4535, 0.6982, 2.3773

Previews

White Background



This preview shows how the XYZ color 25.4789, 48.7811, 10.3583 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 25.4789, 48.7811, 10.3583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

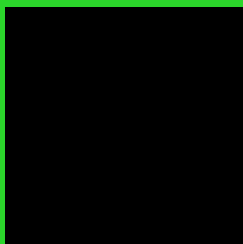
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.4789, 48.7811, 10.3583

Background



This preview shows how black text looks on a background with the XYZ color 25.4789, 48.7811, 10.3583.



This preview shows how white text looks on a background with the XYZ color 25.4789, 48.7811,

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

25.4789, 48.7811, 10.3583

Protanopia

43.1760, 47.6677, 8.5153

Deuteranopia

48.6387, 47.4429, 11.1513



Tritanopia

37.6189, 48.2945, 71.6290

Trichromacy



Original Color

25.4789, 48.7811, 10.3583



Protanomaly

31.8976, 45.3732, 8.9104



Deuteranomaly

33.7875, 44.3524, 10.3945



Tritanomaly

30.3209, 47.0305, 37.1855

Monochromacy



Original Color

25.4789, 48.7811, 10.3583



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

22.9052, 32.5633, 18.9880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4789, 48.7811, 10.3583 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(43, 214, 43)` looks like.

```
.text, #text, p{  
    color:rgb(43, 214, 43)  
}
```

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(43, 214, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 214, 43) }
```

Border

The CSS property to change the border of an element to XYZ 25.4789, 48.7811, 10.3583 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(43, 214, 43) }
```


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

```
.border{ border-color:rgb(43, 214, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 214, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 214, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 214, 43);  
box-shadow:4px 4px 4px 4px rgb(43, 214,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4789, 48.7811, 10.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 214, 43) }
```

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

```
.background{ background-color: rgb(43, 214,  
43) }
```

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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