

Converting Colors

XYZ(14.9993, 25.2230, 4.8298)

Have a look what the booklet for
XYZ(14.9993, 25.2230, 4.8298)
contains.

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Color

**XYZ(14.9267, 25.0784,
4.8130)**

Conversions

Conversions Part 1

Format	Color
Hex	4D9B16
RGB	77, 155, 22
RGB Percent	30%, 61%, 9%
CMY	0.6980, 0.3921, 0.9137
CMYK	0.50, 0.00, 0.86, 0.39
HSL	95°, 75%, 35%
HSV	95°, 86%, 61%
XYZ	14.9267, 25.0784, 4.8130
YIQ	116.5160, -3.7950, -57.8990

Conversions

Conversions Part 2

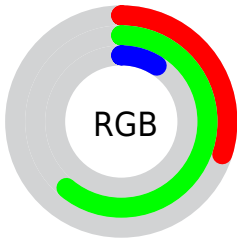
Format	Color
R_{YB}	22, 155, 100
Decimal	5085974
CIE _{Lab}	57.15, -45.55, 55.41
CIE _{LCh}	57, 71.727, 129.422
Yxy	25.0784, 0.3331, 0.5596
Android (android.graphics.Color)	4283276054 (0xFF4D9B16)
YUV	116.5160, -46.5964, -34.6555
Hunter-Lab	50.0783, -34.4321, 29.3565

Details

The XYZ color **14.9267, 25.0784, 4.8130** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **11.4606, 5.6508, 31.4985**, and the grayscale version is **16.8998, 17.7799, 19.3623**.

A 20% lighter version of the original color is **34.1674, 51.6589, 15.7598**, and **4.9128, 9.7328, 1.6197** is the 20% darker color. If you saturate the color by 10%, you get **14.1350, 24.6837, 4.2063**, and if you desaturate by 10%, it is **15.9099, 25.5633, 5.8881**.

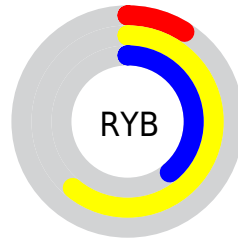
Distribution



Red (30%)

Green (61%)

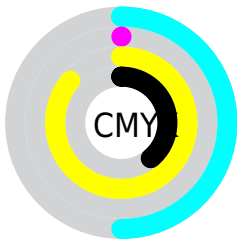
Blue (9%)



Red (9%)

Yellow (61%)

Blue (39%)

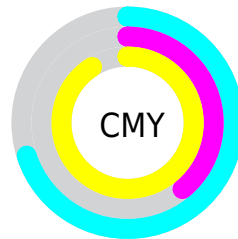


Cyan (50%)

Magenta (0%)

Yellow (86%)

Black (39%)



Cyan (70%)


Magenta (39%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9267, 25.0784, 4.8130 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 14.9267, 25.0784, 4.8130 by changing the saturation by 10% instead.


 14.9267, 25.0784,
4.8130


 14.9267, 25.0784,
4.8130


216.3193,
278.2282, 156.8735


 8.8539, 16.1355,
2.0812


 34.2973, 51.7844,
15.8452


 4.7024, 9.6201,
0.6045


 48.3258, 70.3162,
24.9826


 2.1067, 5.1478,
0.0000

 65.7369, 92.8132,
37.0923

 0.6928, 2.3342,
0.0000

 86.8960, 119.6596,
52.5927

 0.0000, 0.7917,
0.0000

 112.1684,
151.2399, 71.9026

 0.0000, 0.0000,
0.0000

 141.9196,

187.9385, 95.4403

176.5147,
230.1398, 123.6244

■ 14.9267, 25.0784,
4.8130

■ 14.9267, 25.0784,
4.8130

■ 14.1350, 24.6837,
4.2063

■ 15.9099, 25.5633,
5.8881

■ 13.8421, 24.5368,
4.0065

■ 17.1029, 26.1435,
7.5140

■ 18.5215, 26.8268,
9.7526

■ 20.1795, 27.6189,
12.6569

■ 22.0892, 28.5253,
16.2743

■ 24.2620, 29.5509,
20.6479

■ 26.7085, 30.7002,
25.8173

■ 29.4389, 31.9778,
31.8193

■ 32.4626, 33.3876,
38.6886

Harmonies

Analogous

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



21.2712, 25.0784, 2.3098



14.9267, 25.0784, 4.8130



11.6203, 25.0784, 13.9867

Triad

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



14.9267, 25.0784, 4.8130



18.5637, 25.0784, 98.2630



43.7543, 25.0784, 20.3675

Complementary

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



14.9267, 25.0784, 4.8130



11.4606, 5.6508, 31.4985

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.



42.5387, 25.0784, 47.1716



14.9267, 25.0784, 4.8130



26.5997, 25.0784, 103.8707

Square

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



14.9267, 25.0784, 4.8130



13.3491, 25.0784, 68.8606



35.7303, 25.0784, 81.4194



38.7397, 25.0784, 7.1199

Rectangle

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



14.9267, 25.0784, 4.8130



10.9897, 25.0784, 26.8390



35.7303, 25.0784, 81.4194



44.0829, 25.0784, 27.7786

Sweetspot

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



14.9273, 25.0795, 4.8136



43.1582, 52.7833, 36.3779



18.1809, 16.0625, 2.9016



9.4764, 11.8095, 7.6374



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.9273, 25.0795, 4.8136



24.5851, 43.8359, 7.1654



12.3287, 23.7248, 5.3751



6.3620, 7.0441, 6.6302



11.1590, 19.7286, 3.2199



0.2067, 0.3155, 0.0500

Inverse Universe

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



11.4606, 5.6508, 31.4985



18.0878, 8.1006, 56.1465



18.8332, 9.5542, 27.2052



6.2141, 6.1963, 7.7975



8.2544, 3.7063, 25.1880



0.1647, 0.0767, 0.3785

Previews

White Background



This preview shows how the XYZ color 14.9267, 25.0784, 4.8130 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 14.9267, 25.0784, 4.8130 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 14.9267, 25.0784, 4.8130

Background



This preview shows how black text looks on a background with the XYZ color 14.9267, 25.0784, 4.8130.



This preview shows how white text looks on a background with the XYZ color 14.9267, 25.0784,

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

14.9267, 25.0784, 4.8130

Protanopia

22.3656, 24.7988, 4.0981

Deuteranopia

24.9947, 24.4984, 5.2450



Tritanopia

21.0110, 24.9435, 35.1597

Trichromacy



Original Color

14.9267, 25.0784, 4.8130

Protanomaly

18.6866, 24.4258, 4.3020

Deuteranomaly

19.6657, 23.5996, 4.8852

Tritanomaly

17.4602, 24.4150, 17.7022

Monochromacy



Original Color

14.9267, 25.0784, 4.8130

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

15.1188, 19.6666, 10.9818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9267, 25.0784, 4.8130 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(77, 155, 22)` looks like.

```
.text, #text, p{  
    color:rgb(77, 155, 22)  
}
```

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(77, 155, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 155, 22) }
```

Border

The CSS property to change the border of an element to XYZ 14.9267, 25.0784, 4.8130 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(77, 155, 22) }
```


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

```
.border{ border-color:rgb(77, 155, 22) }
```

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

Here you see how a box with a 4 pixel rgb(77, 155, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 155, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 155, 22);  
box-shadow:4px 4px 4px 4px rgb(77, 155,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9267, 25.0784, 4.8130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 155, 22) }
```

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

```
.background{ background-color: rgb(77, 155,  
22) }
```

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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