

Converting Colors

XYZ(14.5097, 25.6467, 4.6682)

Have a look what the booklet for
XYZ(14.5097, 25.6467, 4.6682)
contains.

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Color

**XYZ(14.5004, 25.6149,
4.6701)**

Conversions

Conversions Part 1

Format	Color
Hex	419E10
RGB	65, 158, 16
RGB Percent	25%, 62%, 6%
CMY	0.7451, 0.3804, 0.9372
CMYK	0.59, 0.00, 0.90, 0.38
HSL	99°, 82%, 34%
HSV	99°, 90%, 62%
XYZ	14.5004, 25.6149, 4.6701
YIQ	114.0050, -9.8460, -63.8780

Conversions

Conversions Part 2

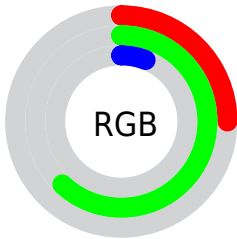
Format	Color
RYB	16, 158, 109
Decimal	4300304
CIELab	57.67, -50.37, 57.01
CIELCh	58, 76.075, 131.465
Yxy	25.6149, 0.3238, 0.5719
Android (android.graphics.Color)	4282490384 (0xFF419E10)
YUV	114.0050, -48.3165, -42.9774
Hunter-Lab	50.6112, -37.4282, 29.9569

Details

The XYZ color **14.5004, 25.6149, 4.6701** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **12.6652, 6.0915, 32.8573**, and the grayscale version is **16.1392, 16.9797, 18.4909**.

A 20% lighter version of the original color is **33.7339, 52.9283, 15.6459**, and **5.0516, 10.1032, 1.6839** is the 20% darker color. If you saturate the color by 10%, you get **13.7851, 25.2576, 4.1547**, and if you desaturate by 10%, it is **15.4146, 26.0679, 5.5721**.

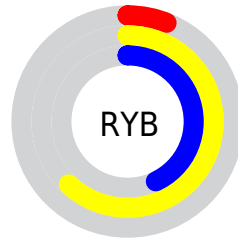
Distribution



Red (25%)

Green (62%)

Blue (6%)



Red (6%)

Yellow (62%)

Blue (43%)

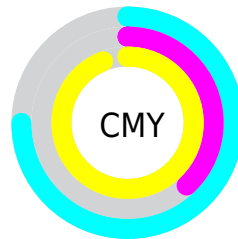


Cyan (59%)

Magenta (0%)

Yellow (90%)

Black (38%)



Cyan (75%)


Magenta (38%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.5004, 25.6149, 4.6701 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 14.5004, 25.6149, 4.6701 by changing the saturation by 10% instead.


 14.5004, 25.6149,
4.6701


 14.5004, 25.6149,
4.6701


213.7709,
280.8865, 155.4054


 8.5535, 16.5358,
1.9997


 33.5532, 52.6530,
15.5279


 4.5059, 9.9041,
0.5551


 47.3899, 71.3808,
24.5524


 1.9921, 5.3354,
0.0000

 64.5872, 94.0936,
36.5319

 0.6295, 2.4454,
0.0000

 85.5105, 121.1758,
51.8852

 0.0000, 0.8491,
0.0000


 110.5252,
153.0118, 71.0306


 0.0000, 0.0000,
0.0000


 139.9966,


189.9860, 94.3867


 174.2900,
232.4827, 122.3721

 14.5004, 25.6149,
4.6701


 14.5004, 25.6149,
4.6701


 13.7851, 25.2576,
4.1547


 15.4146, 26.0679,
5.5721

 13.7765, 25.2533,
4.1483

 16.5629, 26.6290,
7.0212

 17.9649, 27.3075,
9.0870

 19.6373, 28.1108,
11.8282

 21.5953, 29.0454,
15.2971

■ 23.8525, 30.1174,
19.5404

■ 26.4220, 31.3327,
24.6013

■ 29.3157, 32.6965,
30.5194

■ 32.5452, 34.2139,
37.3320

Harmonies

Analogous

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



21.0311, 25.6149, 1.9649



14.5004, 25.6149, 4.6701



11.2388, 25.6149, 14.8004

Triad

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



14.5004, 25.6149, 4.6701



19.1966, 25.6149, 107.4942



45.8370, 25.6149, 19.0681

Complementary

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



14.5004, 25.6149, 4.6701



12.6652, 6.0915, 32.8573

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.



44.9907, 25.6149, 47.0463



14.5004, 25.6149, 4.6701



27.9925, 25.6149, 111.4743

Square

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



14.5004, 25.6149, 4.6701



13.4468, 25.6149, 75.9738



37.8682, 25.6149, 84.8201



39.9537, 25.6149, 6.1275

Rectangle

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



14.5004, 25.6149, 4.6701



10.7086, 25.6149, 29.1911



37.8682, 25.6149, 84.8201



46.3627, 25.6149, 26.6287

Sweetspot

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



14.5010, 25.6160, 4.6707



44.3547, 55.1838, 37.4990



19.5895, 18.0964, 2.9510



9.6816, 12.2904, 7.8391



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.



14.5010, 25.6160, 4.6707



24.8220, 45.7576, 7.5238



12.7800, 24.7004, 5.8698



6.7558, 7.5068, 7.0785



11.0722, 20.2446, 3.3240



0.2412, 0.3842, 0.0615

Inverse Universe

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



12.6652, 6.0915, 32.8573



21.2450, 9.6575, 59.4878



18.7807, 9.4379, 24.3875



6.6818, 6.6399, 8.3361



9.5108, 4.3320, 26.2421



0.2138, 0.1000, 0.4713

Previews

White Background



This preview shows how the XYZ color 14.5004, 25.6149, 4.6701 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 14.5004, 25.6149, 4.6701 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 14.5004, 25.6149, 4.6701

Background



This preview shows how black text looks on a background with the XYZ color 14.5004, 25.6149, 4.6701.



This preview shows how white text looks on a background with the XYZ color 14.5004, 25.6149,

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

14.5004, 25.6149, 4.6701

Protanopia

22.6389, 25.1587, 3.8352

Deuteranopia

25.6683, 25.2442, 5.1888



Tritanopia

20.9082, 25.5443, 36.6295

Trichromacy



Original Color

14.5004, 25.6149, 4.6701

Protanomaly

18.2062, 24.4103, 4.0392

Deuteranomaly

19.5782, 24.2068, 4.8029

Tritanomaly

17.1138, 24.9441, 17.8226

Monochromacy



Original Color

14.5004, 25.6149, 4.6701

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.1816, 19.0021, 10.1281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5004, 25.6149, 4.6701 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(65, 158, 16)` looks like.

```
.text, #text, p{  
    color:rgb(65, 158, 16)  
}
```

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(65, 158, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 158, 16) }
```

Border

The CSS property to change the border of an element to XYZ 14.5004, 25.6149, 4.6701 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(65, 158, 16) }
```


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

```
.border{ border-color:rgb(65, 158, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 158, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 158, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 158, 16);  
box-shadow:4px 4px 4px 4px rgb(65, 158,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5004, 25.6149, 4.6701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 158, 16) }
```

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

```
.background{ background-color: rgb(65, 158,  
16) }
```

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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