

# Converting Colors

XYZ(60.1524, 74.4401, 26.0091)

Have a look what the booklet for  
XYZ(60.1524, 74.4401, 26.0091)  
contains.

<b>XYZ(59.9688, 74.2676, 25.9262)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(59.9688, 74.2676,  
25.9262)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6EA6E
RGB	214, 234, 110
RGB Percent	84%, 92%, 43%
CMY	0.1608, 0.0823, 0.5686
CMYK	0.09, 0.00, 0.53, 0.08
HSL	70°, 75%, 67%
HSV	70°, 53%, 92%
XYZ	59.9688, 74.2676, 25.9262
YIQ	213.8840, 27.8840, -42.8040

# Conversions

## Conversions Part 2

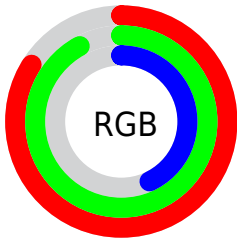
Format	Color
<a href="#">RYB</a>	<a href="#">110, 234, 130</a>
Decimal	<a href="#">14084718</a>
CIELab	<a href="#">89.05, -23.95, 57.16</a>
CIELCh	<a href="#">89, 61.972, 112.737</a>
Yxy	<a href="#">74.2676, 0.3744, 0.4637</a>
Android (android.graphics.Color)	<a href="#">4292274798</a> ( <a href="#">0xFFD6EA6E</a> )
YUV	<a href="#">213.8840, -51.2148, 0.1017</a>
Hunter-Lab	<a href="#">86.1787, -26.6005, 42.4881</a>

# Details

The XYZ color **59.9688, 74.2676, 25.9262** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.6359, 21.8401, 80.5000**, and the grayscale version is **64.1607, 67.5020, 73.5097**.

A 20% lighter version of the original color is **83.7915, 95.4966, 49.6137**, and **30.5388, 39.2944, 9.7164** is the 20% darker color. If you saturate the color by 10%, you get **57.7708, 73.2652, 20.0287**, and if you desaturate by 10%, it is **62.5323, 75.4244, 33.5995**.

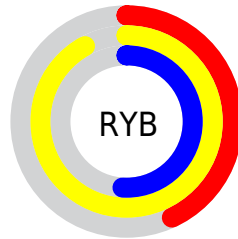
# Distribution



Red (84%)

Green (92%)

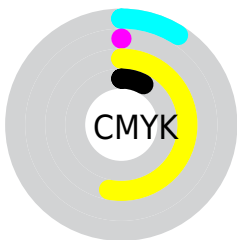
Blue (43%)



Red (43%)

Yellow (92%)

Blue (51%)

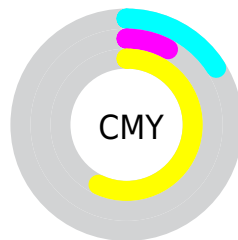


Cyan (9%)

Magenta (0%)

Yellow (53%)

Black (8%)



Cyan (16%)

Magenta (8%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9688, 74.2676, 25.9262 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 59.9688, 74.2676, 25.9262 by changing the saturation by 10% instead.





 59.9688, 74.2676,  
25.9262


 59.9688, 74.2676,  
25.9262


414.3193,  
475.3964, 296.0136


 43.6429, 55.0131,  
16.5432


 103.8910,  
125.2751, 54.1385

 30.5865, 39.4122,  
9.7508


 132.2180,  
157.7968, 73.8048

 20.4345, 27.0805,  
5.1306


 165.2760,  
195.5098, 97.7360

 12.8214, 17.6337,  
2.2640


203.4304,  
238.7983, 126.3506

 7.3818, 10.6873,  
0.7110

247.0466,  
288.0469, 160.0671

 3.7504, 5.8570,  
0.0000

296.4899,

 1.5619, 2.7583,

343.6398, 199.3040

0.0000

352.1257,  
405.9615, 244.4800

0.3674, 1.0069,  
0.0000

0.0000, 0.0000,  
0.0000

59.9688, 74.2676,  
25.9262

59.9688, 74.2676,  
25.9262

57.7708, 73.2652,  
20.0287

62.5323, 75.4244,  
33.5995

55.9057, 72.3963,  
15.7596


65.4803, 76.7354,  
43.1711


54.3438, 71.6516,  
12.9557

68.8367, 78.2127,  
54.7582


53.0471, 71.0158,  
11.4176


72.6218, 79.8644,  
68.4669


 52.2550, 70.6186,  
10.8766

 76.8545, 81.6983,  
84.3963

 81.5527, 83.7214,  
102.6390

 83.5550, 84.6692,  
106.5467

 84.8532, 85.3385,  
106.6075

 86.1783, 86.0216,  
106.6695

# Harmonies

## Analogous

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



74.3169, 74.2676, 23.3096



59.9688, 74.2676, 25.9262



49.9433, 74.2676, 40.2995

# Triad

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



59.9688, 74.2676, 25.9262



54.4544, 74.2676, 166.5510



103.4205, 74.2676, 91.8187

# Complementary

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



59.9688, 74.2676, 25.9262



29.6359, 21.8401, 80.5000

# 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.



96.2603, 74.2676, 142.2542



59.9688, 74.2676, 25.9262



66.9881, 74.2676, 194.3166

# Square

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



59.9688, 74.2676, 25.9262



47.0901, 74.2676, 117.3779



82.3947, 74.2676, 184.1219



100.8367, 74.2676, 52.8376



# Rectangle

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



59.9688, 74.2676, 25.9262



46.3709, 74.2676, 58.6488



82.3947, 74.2676, 184.1219



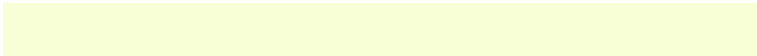
102.0425, 74.2676, 108.0831

# Sweetspot

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



59.9706, 74.2710, 25.9278



86.7827, 96.4181, 77.7889



44.5465, 34.2156, 19.0092



18.3694, 20.5477, 15.9024



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.



59.9706, 74.2710, 25.9278



69.8907, 88.8929, 23.5538



45.4525, 66.7866, 25.2483



16.0994, 17.4968, 16.0474



29.4529, 39.7280, 6.1159



2.3766, 3.1525, 0.4832



# Inverse Universe

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



29.6359, 21.8401, 80.5000



29.3488, 18.7004, 96.6704



41.8151, 28.1187, 81.0700



14.4576, 14.6656, 18.9910



8.8583, 3.6025, 43.9714



0.7635, 0.3179, 3.4560



# Previews

## White Background



This preview shows how the XYZ color 59.9688, 74.2676, 25.9262 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 59.9688, 74.2676, 25.9262 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 59.9688, 74.2676, 25.9262**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.9688, 74.2676, 25.9262.



This preview shows how white text looks on a background with the XYZ color 59.9688, 74.2676,

25.9262.

# 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

59.9688, 74.2676, 25.9262

### Protanopia

67.6673, 74.1470, 24.6553

### Deuteranopia

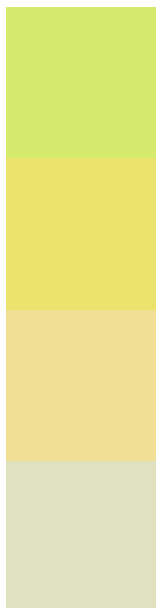
73.2143, 73.7503, 47.9125



## Tritanopia

73.0207, 73.8534, 91.2955

# Trichromacy



## Original Color

59.9688, 74.2676, 25.9262

## Protanomaly

64.7111, 74.2317, 25.1049

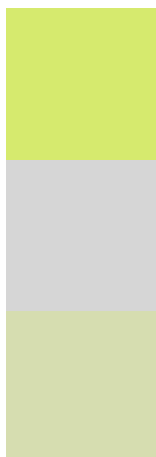
## Deuteranomaly

67.6682, 73.4387, 38.6256

## Tritanomaly

66.7606, 73.3000, 59.9199

# Monochromacy



## Original Color

59.9688, 74.2676, 25.9262

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

61.4245, 69.1436, 51.1829

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9688, 74.2676, 25.9262 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(214, 234, 110)` looks like.

```
.text, #text, p{  
    color:rgb(214, 234, 110)  
}
```

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(214, 234, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 234, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9688, 74.2676, 25.9262 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(214, 234, 110) }
```



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

```
.border{ border-color:rgb(214, 234, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 234, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 234, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 234, 110);  
box-shadow:4px 4px 4px 4px rgb(214, 234,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9688, 74.2676, 25.9262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 234, 110) }
```

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

```
.background{ background-color: rgb(214,  
234, 110) }
```

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