

Converting Colors

XYZ(49.1205, 65.9234, 36.9272)

Have a look what the booklet for
XYZ(49.1205, 65.9234, 36.9272)
contains.

XYZ(49.2164, 65.9662, 36.9268)	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(49.2164, 65.9662,
36.9268)**

Conversions

Conversions Part 1

Format	Color
Hex	A9E491
RGB	169, 228, 145
RGB Percent	66%, 89%, 57%
CMY	0.3373, 0.1059, 0.4314
CMYK	0.26, 0.00, 0.36, 0.11
HSL	103°, 61%, 73%
HSV	103°, 36%, 89%
XYZ	49.2164, 65.9662, 36.9268
YIQ	200.8970, -8.5210, -38.3210

Conversions

Conversions Part 2

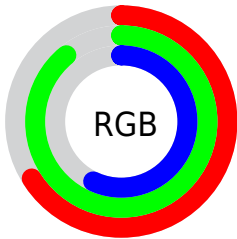
Format	Color
RYB	145, 228, 204
Decimal	11134097
CIELab	84.98, -33.75, 34.63
CIElCh	85, 48.353, 134.261
Yxy	65.9662, 0.3236, 0.4337
Android (android.graphics.Color)	4289324177 (0xFFA9E491)
YUV	200.8970, -27.5572, -27.9737
Hunter-Lab	81.2196, -33.9691, 29.8973

Details

The XYZ color **49.2164, 65.9662, 36.9268** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.0338, 38.6916, 78.2863**, and the grayscale version is **55.6241, 58.5209, 63.7293**.

A 20% lighter version of the original color is **77.5494, 91.8589, 68.2868**, and **23.7985, 33.9402, 15.6527** is the 20% darker color. If you saturate the color by 10%, you get **44.3678, 63.6518, 28.4256**, and if you desaturate by 10%, it is **54.8523, 68.6496, 47.3092**.

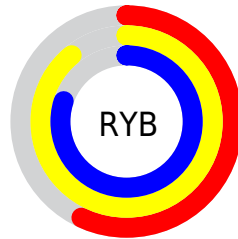
Distribution



Red (66%)

Green (89%)

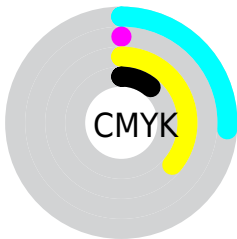
Blue (57%)



Red (57%)

Yellow (89%)

Blue (80%)

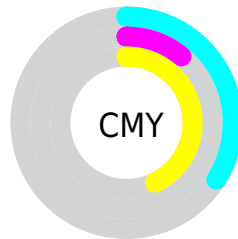


Cyan (26%)

Magenta (0%)

Yellow (36%)

Black (11%)



Cyan (34%)


Magenta (11%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2164, 65.9662, 36.9268 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 49.2164, 65.9662, 36.9268 by changing the saturation by 10% instead.


 49.2164, 65.9662,
36.9268


 49.2164, 65.9662,
36.9268


374.0965,
446.2560, 348.1526

 35.0064, 48.2450,
24.8555


 88.2116, 113.4378,
71.6453

 23.8344, 34.0209,
15.7514


 113.7274,
143.9570, 95.1295

 15.3349, 22.9097,
9.1959


143.7427,
179.5109, 123.2551

 9.1426, 14.5268,
4.7707

178.6226,
220.4840, 156.4406

 4.8922, 8.4880,
2.0570

218.7326,
267.2607, 195.1046

 2.2182, 4.4088,
0.5900

264.4380,

 0.7523, 1.9047,

320.2253, 239.6655

0.0000

316.1042,
379.7623, 290.5420

0.0000, 0.5512,
0.0000

0.0000, 0.0000,
0.0000

49.2164, 65.9662,
36.9268

49.2164, 65.9662,
36.9268

44.3678, 63.6518,
28.4256

54.8523, 68.6496,
47.3092

40.2646, 61.6814,
21.6888

61.3048, 71.7091,
59.6718

36.8682, 60.0397,
16.5932

68.6079, 75.1619,
74.1116

34.1343, 58.7071,
12.9980

76.7919, 79.0219,
90.7180

■ 32.0127, 57.6612,
10.7388

■ 85.2342, 83.0413,
106.1440

■ 30.4436, 56.8757,
9.6090

■ 87.0348, 83.9696,
106.2283

■ 29.9863, 56.6451,
9.3532

Harmonies

Analogous

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



57.6908, 65.9662, 28.0368



49.2164, 65.9662, 36.9268



44.6602, 65.9662, 56.7853

Triad

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



49.2164, 65.9662, 36.9268



57.1999, 65.9662, 146.1969



85.2097, 65.9662, 58.0691

Complementary

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



49.2164, 65.9662, 36.9268



49.0338, 38.6916, 78.2863

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.



85.0388, 65.9662, 89.3124



49.2164, 65.9662, 36.9268



67.9887, 65.9662, 146.8392

Square

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



49.2164, 65.9662, 36.9268



48.8930, 65.9662, 122.2128



78.4429, 65.9662, 123.7743



78.8861, 65.9662, 37.6314

Rectangle

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



49.2164, 65.9662, 36.9268



44.0839, 65.9662, 76.3653



78.4429, 65.9662, 123.7743



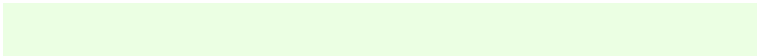
85.9310, 65.9662, 67.4702

Sweetspot

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



49.2181, 65.9690, 36.9282



83.8990, 94.7357, 86.5007



58.4881, 61.3003, 35.5385



17.6841, 20.1479, 17.9742



0.0000, 0.0000, 0.0000



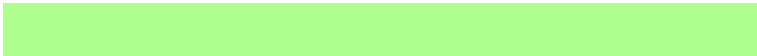
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2181, 65.9690, 36.9282



58.4358, 82.6388, 38.7782



45.9086, 64.1041, 43.9513



14.5788, 16.2899, 15.2803



17.4162, 32.7599, 5.4054



1.3767, 2.4671, 0.4036

Inverse Universe

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



49.0338, 38.6916, 78.2863



58.1386, 42.4231, 99.7320



53.9309, 41.4698, 67.0562



14.5679, 14.3950, 18.1550



16.8224, 7.7382, 42.9901



1.3340, 0.6187, 3.1811

Previews

White Background



This preview shows how the XYZ color 49.2164, 65.9662, 36.9268 looks on a white background.

Color Contrast Check

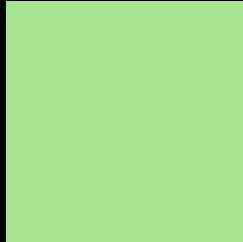
Large Text (above 18pt) WCAG AA × Fail

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 49.2164, 65.9662, 36.9268 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 49.2164, 65.9662, 36.9268

Background



This preview shows how black text looks on a background with the XYZ color 49.2164, 65.9662, 36.9268.

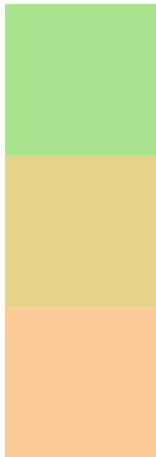


This preview shows how white text looks on a background with the XYZ color 49.2164, 65.9662,

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

49.2164, 65.9662, 36.9268

Protanopia

60.5148, 65.2465, 33.4491

Deuteranopia

66.4901, 64.9847, 38.3170



Tritanopia

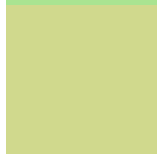
59.4313, 65.7566, 87.4018

Trichromacy



Original Color

49.2164, 65.9662, 36.9268



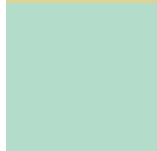
Protanomaly

55.6330, 64.9587, 34.8054



Deuteranomaly

58.5379, 64.1306, 37.7269



Tritanomaly

55.1075, 65.5609, 65.6272

Monochromacy



Original Color

49.2164, 65.9662, 36.9268



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.6210, 60.7435, 52.6673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2164, 65.9662, 36.9268 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(169, 228, 145)` looks like.

```
.text, #text, p{  
    color:rgb(169, 228, 145)  
}
```

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(169, 228, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 228, 145) }
```

Border

The CSS property to change the border of an element to XYZ 49.2164, 65.9662, 36.9268 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(169, 228, 145) }
```


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

```
.border{ border-color:rgb(169, 228, 145) }
```

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

Here you see how a box with a 4 pixel rgb(169, 228, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 228, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 228, 145);  
box-shadow:4px 4px 4px 4px rgb(169, 228,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2164, 65.9662, 36.9268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 228, 145) }
```

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

```
.background{ background-color: rgb(169,  
228, 145) }
```

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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