

Converting Colors

XYZ(49.0773, 65.2142, 48.5050)

Have a look what the booklet for
XYZ(49.0773, 65.2142, 48.5050)
contains.

XYZ(49.1178, 65.2494, 48.5337)	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(49.1178, 65.2494,
48.5337)**

Conversions

Conversions Part 1

Format	Color
Hex	9FE3AB
RGB	159, 227, 171
RGB Percent	62%, 89%, 67%
CMY	0.3765, 0.1098, 0.3294
CMYK	0.30, 0.00, 0.25, 0.11
HSL	131°, 55%, 76%
HSV	131°, 30%, 89%
XYZ	49.1178, 65.2494, 48.5337
YIQ	200.2840, -22.5520, -31.8320

Conversions

Conversions Part 2

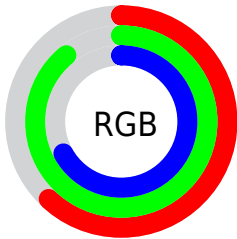
Format	Color
RYB	159, 217, 227
Decimal	10478507
CIELab	84.61, -32.43, 20.69
CIELCh	85, 38.472, 147.463
Yxy	65.2494, 0.3015, 0.4005
Android (android.graphics.Color)	4288668587 (0xFF9FE3AB)
YUV	200.2840, -14.4370, -36.2061
Hunter-Lab	80.7771, -32.8202, 20.9205

Details

The XYZ color **49.1178, 65.2494, 48.5337** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **56.3446, 46.0347, 70.2083**, and the grayscale version is **55.1723, 58.0456, 63.2116**.

A 20% lighter version of the original color is **77.6495, 91.5131, 86.2443**, and **23.7184, 33.4610, 22.6613** is the 20% darker color. If you saturate the color by 10%, you get **43.3653, 62.4773, 39.6118**, and if you desaturate by 10%, it is **55.9524, 68.5540, 58.8246**.

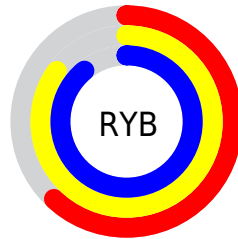
Distribution



Red (62%)

Green (89%)

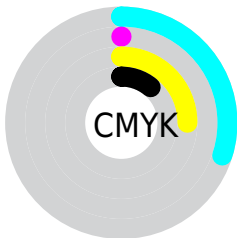
Blue (67%)



Red (62%)

Yellow (85%)

Blue (89%)

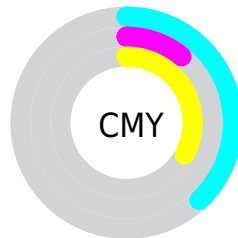


Cyan (30%)

Magenta (0%)

Yellow (25%)

Black (11%)



Cyan (38%)


Magenta (11%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1178, 65.2494, 48.5337 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 49.1178, 65.2494, 48.5337 by changing the saturation by 10% instead.


 49.1178, 65.2494,
48.5337


 49.1178, 65.2494,
48.5337


373.7152,
443.6877, 397.4733

 34.9279, 47.6633,
33.8867


 88.0661, 112.4083,
89.3723

 23.7736, 33.5604,
22.5299


 113.5551,
142.7500, 116.4010

 15.2896, 22.5561,
14.0448


143.5412,
178.1123, 148.3941

 9.1105, 14.2661,
8.0127

178.3897,
218.8797, 185.7700

 4.8710, 8.3059,
4.0152

218.4660,
265.4365, 228.9474

 2.2058, 4.2913,
1.6337

264.1354,

 0.7458, 1.8378,

318.1672, 278.3447

0.3147

315.7634,
377.4561, 334.3804

0.0000, 0.5106,
0.0000

0.0000, 0.0000,
0.0000

49.1178, 65.2494,
48.5337

49.1178, 65.2494,
48.5337

43.3653, 62.4773,
39.6118

55.9524, 68.5540,
58.8246

38.6340, 60.2019,
31.9970

63.9158, 72.4083,
70.5344

34.8647, 58.3957,
25.6292

73.0581, 76.8391,
83.7155

31.9899, 57.0255,
20.4416

83.4248, 81.8686,
98.4167

■ 29.9330, 56.0534,
16.3615

■ 86.7604, 83.4208,
106.1368

■ 28.6043, 55.4346,
13.3077

■ 27.8570, 55.0956,
11.1864

■ 27.8544, 55.0944,
11.1791

Harmonies

Analogous

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



54.7131, 65.2494, 36.8152



49.1178, 65.2494, 48.5337



46.9468, 65.2494, 68.9733

Triad

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



49.1178, 65.2494, 48.5337



61.2897, 65.2494, 129.5042



77.8459, 65.2494, 51.3999

Complementary

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



49.1178, 65.2494, 48.5337



56.3446, 46.0347, 70.2083

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.



80.0110, 65.2494, 73.1588



49.1178, 65.2494, 48.5337



69.9449, 65.2494, 121.7835

Square

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



49.1178, 65.2494, 48.5337



53.5571, 65.2494, 118.8107



76.9987, 65.2494, 99.6227



71.3252, 65.2494, 38.1818

Rectangle

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



49.1178, 65.2494, 48.5337



47.5679, 65.2494, 86.1952



76.9987, 65.2494, 99.6227



79.1320, 65.2494, 57.7838

Sweetspot

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



49.1195, 65.2521, 48.5352



84.2098, 94.7461, 93.2827



61.9502, 71.9928, 43.4322



17.6749, 20.1103, 19.4579



0.0000, 0.0000, 0.0000



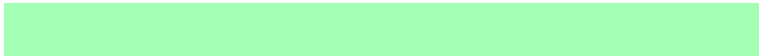
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1195, 65.2521, 48.5352



59.0825, 82.5986, 55.6897



52.7082, 66.6876, 67.4327



14.2926, 16.1305, 15.8058



16.2740, 32.1417, 6.6775



1.2331, 2.3874, 0.6543

Inverse Universe

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



56.3446, 46.0347, 70.2083



69.9231, 53.7456, 88.1947



52.4877, 44.4920, 49.8982



14.8802, 14.5693, 17.5696



23.7414, 11.6308, 28.5969



1.7832, 0.8710, 2.2646

Previews

White Background



This preview shows how the XYZ color 49.1178, 65.2494, 48.5337 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 49.1178, 65.2494, 48.5337 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

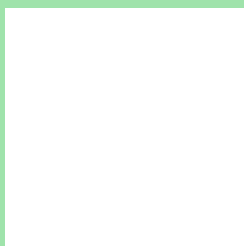
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1178, 65.2494, 48.5337

Background



This preview shows how black text looks on a background with the XYZ color 49.1178, 65.2494, 48.5337.



This preview shows how white text looks on a background with the XYZ color 49.1178, 65.2494,

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

49.1178, 65.2494, 48.5337

Protanopia

60.3979, 64.5848, 43.9331

Deuteranopia

65.9192, 64.4303, 50.0363



Tritanopia

57.0063, 64.8569, 88.8710

Trichromacy



Original Color

49.1178, 65.2494, 48.5337



Protanomaly

55.2582, 64.1443, 45.5451



Deuteranomaly

58.0856, 63.6416, 49.2670



Tritanomaly

53.6765, 64.6819, 71.9432

Monochromacy



Original Color

49.1178, 65.2494, 48.5337



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.2395, 60.0816, 56.9877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1178, 65.2494, 48.5337 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(159, 227, 171)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 171)  
}
```

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(159, 227, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 171) }
```

Border

The CSS property to change the border of an element to XYZ 49.1178, 65.2494, 48.5337 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(159, 227, 171) }
```


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

```
.border{ border-color:rgb(159, 227, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 227, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 227, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 227, 171); box-shadow:4px 4px 4px 4px rgb(159, 227, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1178, 65.2494, 48.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 171) }
```

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

```
.background{ background-color: rgb(159,  
227, 171) }
```

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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