

Converting Colors

XYZ(49.6379, 65.5303, 25.9028)

Have a look what the booklet for
XYZ(49.6379, 65.5303, 25.9028)
contains.

XYZ(49.7621, 65.6749, 25.9734)	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(49.7621, 65.6749,
25.9734)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E272
RGB	183, 226, 114
RGB Percent	72%, 89%, 45%
CMY	0.2824, 0.1137, 0.5529
CMYK	0.19, 0.00, 0.50, 0.11
HSL	83°, 66%, 67%
HSV	83°, 50%, 89%
XYZ	49.7621, 65.6749, 25.9734
YIQ	200.3750, 10.3240, -43.9480

Conversions

Conversions Part 2

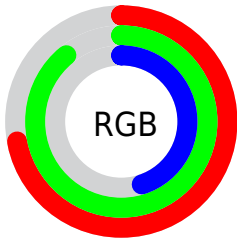
Format	Color
RYB	114, 226, 157
Decimal	12051058
CIELab	84.83, -31.63, 49.81
CIELCh	85, 59.001, 122.415
Yxy	65.6749, 0.3519, 0.4644
Android (android.graphics.Color)	4290241138 (0xFFB7E272)
YUV	200.3750, -42.5829, -15.2379
Hunter-Lab	81.0401, -32.2134, 37.7255

Details

The XYZ color **49.7621, 65.6749, 25.9734** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **33.6521, 24.6955, 74.9483**, and the grayscale version is **55.3826, 58.2668, 63.4525**.

A 20% lighter version of the original color is **79.1035, 93.0479, 50.8366**, and **24.1463, 33.6864, 9.7869** is the 20% darker color. If you saturate the color by 10%, you get **46.6310, 64.1936, 19.9217**, and if you desaturate by 10%, it is **53.3415, 67.3548, 33.7075**.

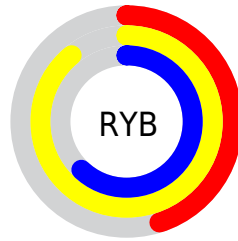
Distribution



Red (72%)

Green (89%)

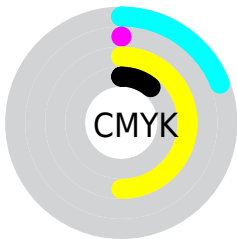
Blue (45%)



Red (45%)

Yellow (89%)

Blue (62%)

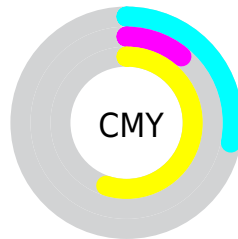


Cyan (19%)

Magenta (0%)

Yellow (50%)

Black (11%)



Cyan (28%)

Magenta (11%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7621, 65.6749, 25.9734 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 49.7621, 65.6749, 25.9734 by changing the saturation by 10% instead.

■ 49.7621, 65.6749,
25.9734

■ 49.7621, 65.6749,
25.9734

376.2023,
445.2133, 296.2528

■ 35.4414, 48.0085,
16.5782

■ 89.0162, 113.0196,
54.2156

■ 24.1712, 33.8337,
9.7754

■ 114.6804,
143.4667, 73.8996

■ 15.5861, 22.7658,
5.1467

■ 144.8564,
178.9429, 97.8503

■ 9.3207, 14.4207,
2.2733

179.9097,
219.8325, 126.4862

■ 5.0097, 8.4138,
0.7162

220.2056,
266.5200, 160.2259

■ 2.2878, 4.3609,
0.0000

266.1094,

■ 0.7884, 1.8774,

319.3897, 199.4878

0.0000

317.9865,
378.8260, 244.6906

0.0000, 0.5347,
0.0000

0.0000, 0.0000,
0.0000

49.7621, 65.6749,
25.9734

49.7621, 65.6749,
25.9734

46.6310, 64.1936,
19.9217

53.3415, 67.3548,
33.7075

43.9173, 62.8914,
15.4226


57.3881, 69.2342,
43.2328


41.5930, 61.7591,
12.3342


61.9251, 71.3251,
54.6536

39.6236, 60.7827,
10.4864

66.9728, 73.6356,
68.0652

 37.9530, 59.9394,
9.5979


 72.5500, 76.1737,
83.5564

 37.8831, 59.9040,
9.5660

 78.6745, 78.9466,
101.2108

 82.4676, 80.8030,
105.8578

 85.5460, 82.3900,
106.0018

 86.4878, 82.8755,
106.0459

Harmonies

Analogous

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



61.3569, 65.6749, 20.6440



49.7621, 65.6749, 25.9734



42.4920, 65.6749, 42.8151

Triad

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



49.7621, 65.6749, 25.9734



51.3744, 65.6749, 157.3978



91.4226, 65.6749, 68.4846

Complementary

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



49.7621, 65.6749, 25.9734



33.6521, 24.6955, 74.9483

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.



87.7743, 65.6749, 110.7995



49.7621, 65.6749, 25.9734



63.4994, 65.6749, 171.7058

Square

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



49.7621, 65.6749, 25.9734



43.3264, 65.6749, 118.0680



77.0653, 65.6749, 152.2635



86.4367, 65.6749, 39.1502

Rectangle

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



49.7621, 65.6749, 25.9734



40.4611, 65.6749, 62.3225



77.0653, 65.6749, 152.2635



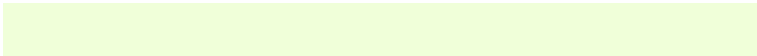
91.1651, 65.6749, 81.5562

Sweetspot

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



49.7637, 65.6778, 25.9748



84.2935, 95.0969, 79.3881



46.4495, 41.4773, 21.4783



17.7458, 20.2188, 16.2110



0.0000, 0.0000, 0.0000



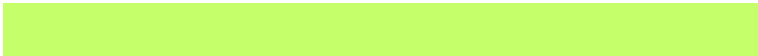
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7637, 65.6778, 25.9748



61.3736, 84.4324, 26.3060



38.9980, 60.1279, 25.4710



14.3354, 15.7531, 14.5919



21.7476, 34.2438, 5.4635



1.6064, 2.4246, 0.3833

Inverse Universe

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



33.6521, 24.6955, 74.9483



38.0208, 24.9464, 97.4190



47.1685, 31.6635, 75.5808



13.4471, 13.4985, 17.2844



10.1848, 4.3458, 41.3504



0.8037, 0.3516, 2.8708

Previews

White Background



This preview shows how the XYZ color 49.7621, 65.6749, 25.9734 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 49.7621, 65.6749, 25.9734 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 49.7621, 65.6749, 25.9734

Background



This preview shows how black text looks on a background with the XYZ color 49.7621, 65.6749, 25.9734.



This preview shows how white text looks on a background with the XYZ color 49.7621, 65.6749,

25.9734.

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

49.7621, 65.6749, 25.9734

Protanopia

59.6589, 65.0163, 23.8730

Deuteranopia

66.2568, 65.0596, 29.4877



Tritanopia

61.3659, 65.3074, 84.2342

Trichromacy



Original Color

49.7621, 65.6749, 25.9734

Protanomaly

55.4494, 64.7065, 24.6060

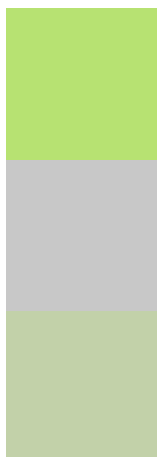
Deuteranomaly

59.1825, 64.6766, 28.1035

Tritanomaly

56.1408, 65.1111, 57.1857

Monochromacy



Original Color

49.7621, 65.6749, 25.9734

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.2100, 59.9348, 46.3529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7621, 65.6749, 25.9734 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(183, 226, 114)` looks like.

```
.text, #text, p{  
    color:rgb(183, 226, 114)  
}
```

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(183, 226, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 226, 114) }
```

Border

The CSS property to change the border of an element to XYZ 49.7621, 65.6749, 25.9734 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(183, 226, 114) }
```


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

```
.border{ border-color:rgb(183, 226, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 226, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 226, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 226, 114);  
box-shadow:4px 4px 4px 4px rgb(183, 226,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7621, 65.6749, 25.9734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 226, 114) }
```

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

```
.background{ background-color: rgb(183,  
226, 114) }
```

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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