

Converting Colors

XYZ(50.0296, 67.1813, 44.4909)

Have a look what the booklet for
XYZ(50.0296, 67.1813, 44.4909)
contains.

XYZ(49.9227, 66.9888, 44.4813)	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(49.9227, 66.9888,
44.4813)**

Conversions

Conversions Part 1

Format	Color
Hex	A3E6A2
RGB	163, 230, 162
RGB Percent	64%, 90%, 64%
CMY	0.3608, 0.0980, 0.3647
CMYK	0.29, 0.00, 0.30, 0.10
HSL	119°, 58%, 77%
HSV	119°, 30%, 90%
XYZ	49.9227, 66.9888, 44.4813
YIQ	202.2150, -18.1040, -35.3520

Conversions

Conversions Part 2

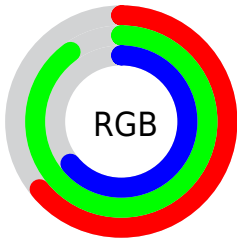
Format	Color
RYB	162, 230, 229
Decimal	10741410
CIELab	85.50, -34.07, 26.60
CIElCh	85, 43.225, 142.026
Yxy	66.9888, 0.3093, 0.4151
Android (android.graphics.Color)	4288931490 (0xFFA3E6A2)
YUV	202.2150, -19.8260, -34.3916
Hunter-Lab	81.8467, -34.3549, 25.0703

Details

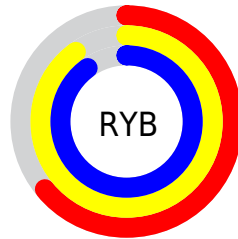
The XYZ color **49.9227, 66.9888, 44.4813** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59.5191, 48.2137, 81.0356**, and the grayscale version is **56.4028, 59.3401, 64.6214**.

A 20% lighter version of the original color is **77.4978, 91.5898, 79.2397**, and **24.2572, 34.6491, 20.1613** is the 20% darker color. If you saturate the color by 10%, you get **43.8309, 64.0653, 34.4824**, and if you desaturate by 10%, it is **57.2235, 70.4962, 56.4915**.

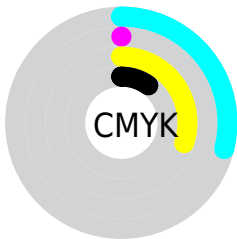
Distribution



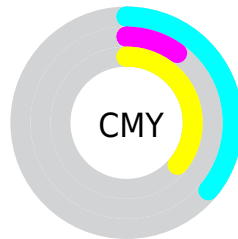
- Red (64%)
- Green (90%)
- Blue (64%)



- Red (64%)
- Yellow (90%)
- Blue (90%)



- Cyan (29%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)





- Cyan (36%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9227, 66.9888, 44.4813 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 49.9227, 66.9888, 44.4813 by changing the saturation by 10% instead.


 49.9227, 66.9888,
44.4813

 49.9227, 66.9888,
44.4813


376.8206,
449.9049, 380.7674

 35.5695, 49.0755,
30.7091


 89.2528, 114.9044,
83.2517

 24.2705, 34.6794,
20.1208


 114.9605,
145.6754, 109.0869

 15.6602, 23.4160,
12.2980


145.1838,
181.5012, 139.7803

 9.3733, 14.9010,
6.8219

180.2879,
222.7662, 175.7503

 5.0445, 8.7499,
3.2742

220.6383,
269.8546, 217.4154

 2.3085, 4.5784,
1.2363

266.6003,

 0.7990, 2.0021,

323.1509, 265.1943

0.0087

318.5393,
383.0396, 319.5055

0.0000, 0.6087,
0.0000

0.0000, 0.0000,
0.0000

49.9227, 66.9888,
44.4813

49.9227, 66.9888,
44.4813

43.8309, 64.0653,
34.4824

57.2235, 70.4962,
56.4915

38.8779, 61.6862,
26.3809

65.7879, 74.6077,
70.6098

34.9947, 59.8202,
20.0581

75.6738, 79.3530,
86.9321

32.1024, 58.4297,
15.3805

86.9337, 84.7574,
105.5472

■ 30.1113, 57.4717,
12.1954

■ 87.5881, 85.0763,
106.4127

■ 28.9157, 56.8956,
10.3220

■ 28.3582, 56.6266,
9.4641

■ 28.3404, 56.6181,
9.4347

Harmonies

Analogous

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



56.8523, 66.9888, 33.4325



49.9227, 66.9888, 44.4813



46.7502, 66.9888, 65.6954

Triad

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



49.9227, 66.9888, 44.4813



61.0885, 66.9888, 140.6261



82.8169, 66.9888, 54.4895

Complementary

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



49.9227, 66.9888, 44.4813



59.5191, 48.2137, 81.0356

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.



84.2489, 66.9888, 80.6973



49.9227, 66.9888, 44.4813



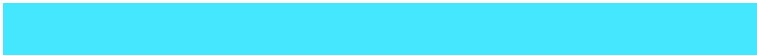
71.0138, 66.9888, 135.3914

Square

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



49.9227, 66.9888, 44.4813



52.7503, 66.9888, 124.3793



79.7363, 66.9888, 111.5063



76.0033, 66.9888, 38.0909

Rectangle

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



49.9227, 66.9888, 44.4813



46.9390, 66.9888, 84.7900



79.7363, 66.9888, 111.5063



83.9700, 66.9888, 62.2479

Sweetspot

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



49.9244, 66.9916, 44.4828



83.7372, 94.5697, 90.2215



67.1401, 75.3999, 45.1984



17.5596, 20.0673, 18.7112



0.0000, 0.0000, 0.0000



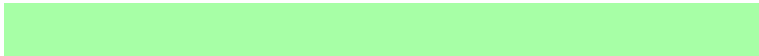
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9244, 66.9916, 44.4828



58.5694, 82.4862, 48.7908



53.0345, 68.2121, 61.9238



14.2088, 16.0992, 15.2630



16.0529, 32.0571, 5.3416



1.1932, 2.3725, 0.3950

Inverse Universe

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



59.5191, 48.2137, 81.0356



72.4000, 55.4137, 101.4878



55.6491, 46.7027, 58.9870



14.9731, 14.6039, 18.1740



25.9629, 12.4503, 43.4179



1.9253, 0.9235, 3.2087

Previews

White Background



This preview shows how the XYZ color 49.9227, 66.9888, 44.4813 looks on a white background.

Color Contrast Check

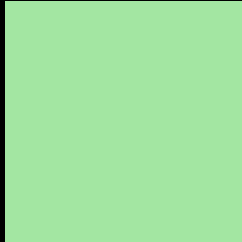
Large Text (above 18pt) WCAG AA × Fail

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 49.9227, 66.9888, 44.4813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

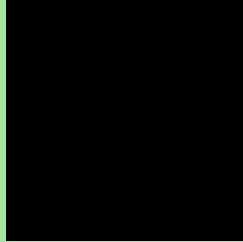
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9227, 66.9888, 44.4813

Background



This preview shows how black text looks on a background with the XYZ color 49.9227, 66.9888, 44.4813.



This preview shows how white text looks on a background with the XYZ color 49.9227, 66.9888,

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

49.9227, 66.9888, 44.4813

Protanopia

61.9401, 66.5796, 40.1584

Deuteranopia

67.7277, 66.1526, 46.2449



Tritanopia

59.1573, 66.7066, 90.6467

Trichromacy



Original Color

49.9227, 66.9888, 44.4813



Protanomaly

56.5942, 66.0765, 41.6695



Deuteranomaly

59.5906, 65.2471, 45.5296



Tritanomaly

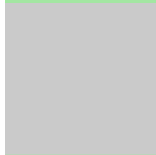
55.3018, 66.7351, 70.9392

Monochromacy



Original Color

49.9227, 66.9888, 44.4813



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.2522, 61.3662, 56.0519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9227, 66.9888, 44.4813 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(163, 230, 162)` looks like.

```
.text, #text, p{  
    color:rgb(163, 230, 162)  
}
```

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(163, 230, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 230, 162) }
```

Border

The CSS property to change the border of an element to XYZ 49.9227, 66.9888, 44.4813 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(163, 230, 162) }
```


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

```
.border{ border-color:rgb(163, 230, 162) }
```

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

Here you see how a box with a 4 pixel rgb(163, 230, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 230, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 230, 162);  
box-shadow:4px 4px 4px 4px rgb(163, 230,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9227, 66.9888, 44.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 230, 162) }
```

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

```
.background{ background-color: rgb(163,  
230, 162) }
```

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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