

# Converting Colors

XYZ(36.7028, 48.2781, 22.0396)

Have a look what the booklet for  
XYZ(36.7028, 48.2781, 22.0396)  
contains.

<b>XYZ(36.6854, 48.2264, 22.1270)</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(36.6854, 48.2264,  
22.1270)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9DC56E
RGB	157, 197, 110
RGB Percent	62%, 77%, 43%
CMY	0.3843, 0.2274, 0.5686
CMYK	0.20, 0.00, 0.44, 0.23
HSL	88°, 43%, 60%
HSV	88°, 44%, 77%
XYZ	36.6854, 48.2264, 22.1270
YIQ	175.1220, 4.0870, -35.5370

# Conversions

## Conversions Part 2

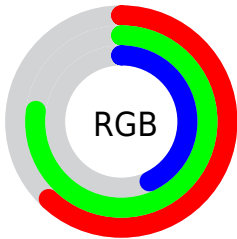
Format	Color
<a href="#">RYB</a>	<a href="#">110, 197, 150</a>
Decimal	<a href="#">10339694</a>
CIELab	<a href="#">74.97, -28.06, 39.26</a>
CIELCh	<a href="#">75, 48.251, 125.554</a>
Yxy	<a href="#">48.2264, 0.3427, 0.4506</a>
Android (android.graphics.Color)	<a href="#">4288529774</a> <a href="#">(0xFF9DC56E)</a>
YUV	<a href="#">175.1220, -32.1051, -15.8930</a>
Hunter-Lab	<a href="#">69.4452, -27.2341, 29.7204</a>

# Details

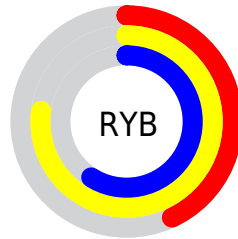
The XYZ color **36.6854, 48.2264, 22.1270** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.2337, 21.6685, 55.5204**, and the grayscale version is **40.9714, 43.1051, 46.9415**.

A 20% lighter version of the original color is **69.4932, 87.6741, 47.9104**, and **16.3470, 22.9142, 7.8363** is the 20% darker color. If you saturate the color by 10%, you get **34.0279, 46.9684, 17.0128**, and if you desaturate by 10%, it is **39.7148, 49.6516, 28.5053**.

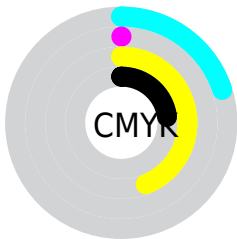
# Distribution



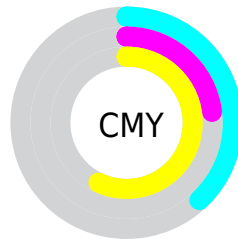
- Red (62%)
- Green (77%)
- Blue (43%)



- Red (43%)
- Yellow (77%)
- Blue (59%)



- Cyan (20%)
- Magenta (0%)
- Yellow (44%)
- Black (23%)



- Cyan (38%)
- Magenta (23%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6854, 48.2264, 22.1270 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 36.6854, 48.2264, 22.1270 by changing the saturation by 10% instead.



■ 36.6854, 48.2264,  
22.1270

■ 36.6854, 48.2264,  
22.1270

323.3257,  
379.6888, 276.1839

■ 25.1366, 34.0062,  
13.7510

■ 69.4056, 87.5414,  
47.8607

■ 16.3081, 22.8984,  
7.8109

■ 91.3078, 113.4050,  
66.0555

■ 9.8347, 14.5185,  
3.8882

■ 117.3917,  
143.9185, 88.3603

■ 5.3509, 8.4822,  
1.5642

■ 148.0227,  
179.4664, 115.1937

■ 2.4914, 4.4050,  
0.2651

183.5663,  
220.4329, 146.9743

■ 0.8909, 1.9026,  
0.0000

224.3878,

■ 0.0000, 0.5499,

267.2026, 184.1204

0.0000

270.8524,  
320.1598, 227.0508

■ 0.0000, 0.0000,  
0.0000

■ 36.6854, 48.2264,  
22.1270

■ 36.6854, 48.2264,  
22.1270

■ 34.0279, 46.9684,  
17.0128

■ 39.7148, 49.6516,  
28.5053

■ 31.7199, 45.8633,  
13.0751

■ 43.1299, 51.2449,  
36.2210

■ 29.7418, 44.9047,  
10.2205


■ 46.9477, 53.0151,  
45.3458


■ 28.0698, 44.0826,  
8.3396


■ 51.1834, 54.9684,  
55.9452


■ 26.6757, 43.3855,  
7.3003

■ 55.8510, 57.1109,  
68.0805

 25.9612, 43.0245,  
6.9363

 60.9640, 59.4481,  
81.8098

 66.5351, 61.9856,  
97.1879

 70.4798, 63.8896,  
103.2250

 73.4540, 65.4229,  
103.3642

# Harmonies

## Analogous

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



44.2195, 48.2264, 17.5366



36.6854, 48.2264, 22.1270



32.0940, 48.2264, 34.8992

# Triad

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



36.6854, 48.2264, 22.1270



39.1853, 48.2264, 110.1388



64.8275, 48.2264, 47.9584

# Complementary

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



36.6854, 48.2264, 22.1270



28.2337, 21.6685, 55.5204

# Split Complementary

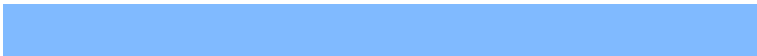
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.0330, 48.2264, 75.2285



36.6854, 48.2264, 22.1270



47.4950, 48.2264, 117.0240

# Square

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



36.6854, 48.2264, 22.1270



33.4027, 48.2264, 86.0318



56.3982, 48.2264, 102.6310



61.0294, 48.2264, 29.0708



# Rectangle

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



36.6854, 48.2264, 22.1270



30.9518, 48.2264, 48.8421



56.3982, 48.2264, 102.6310



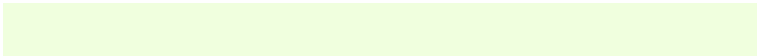
64.8635, 48.2264, 56.3578

# Sweetspot

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



36.6866, 48.2285, 22.1280



84.7776, 95.2687, 82.9223



36.6135, 34.5402, 19.4898



17.8007, 20.2318, 16.9045



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.



36.6866, 48.2285, 22.1280



61.0970, 84.1911, 30.7520



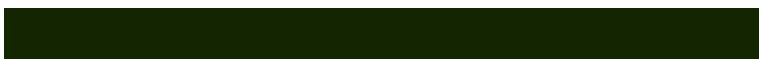
29.7673, 44.6615, 21.8042



11.0356, 12.1653, 11.3293



17.1724, 28.3480, 4.5666



0.8960, 1.3850, 0.2201



# Inverse Universe

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



28.2337, 21.6685, 55.5204



44.0382, 30.5611, 98.1856



37.5591, 26.4759, 55.9568



10.5123, 10.5224, 13.3945



9.5336, 4.1490, 35.0427



0.5347, 0.2394, 1.6632



# Previews

## White Background



This preview shows how the XYZ color 36.6854, 48.2264, 22.1270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

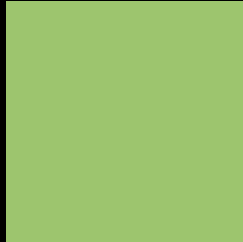
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.6854, 48.2264, 22.1270 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 36.6854, 48.2264, 22.1270**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6854, 48.2264, 22.1270.



This preview shows how white text looks on a background with the XYZ color 36.6854, 48.2264,



# 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

36.6854, 48.2264, 22.1270

### Protanopia

44.0474, 47.8575, 20.2805

### Deuteranopia

48.7440, 47.8181, 22.8804



## Tritanopia

44.6791, 47.8809, 62.1454

# Trichromacy



## Original Color

36.6854, 48.2264, 22.1270

## Protanomaly

41.1011, 47.8958, 20.9885

## Deuteranomaly

43.4098, 47.4790, 22.4992

## Tritanomaly

40.9984, 47.6534, 44.0830

# Monochromacy



## Original Color

36.6854, 48.2264, 22.1270

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

38.6678, 44.4262, 35.8153

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6854, 48.2264, 22.1270 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(157, 197, 110)` looks like.

```
.text, #text, p{  
    color:rgb(157, 197, 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(157, 197, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 197, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6854, 48.2264, 22.1270 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(157, 197, 110) }
```



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

```
.border{ border-color:rgb(157, 197, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 197, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 197, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 197, 110);  
box-shadow:4px 4px 4px 4px rgb(157, 197,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6854, 48.2264, 22.1270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 197, 110) }
```

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

```
.background{ background-color: rgb(157,  
197, 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](#).

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