

# Converting Colors

XYZ(28.2498, 37.9092, 25.6323)

Have a look what the booklet for  
XYZ(28.2498, 37.9092, 25.6323)  
contains.

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# Color

**XYZ(28.3434, 38.1065,  
25.6001)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DB37E
RGB	125, 179, 126
RGB Percent	49%, 70%, 49%
CMY	0.5098, 0.2980, 0.5059
CMYK	0.30, 0.00, 0.30, 0.30
HSL	121°, 26%, 60%
HSV	121°, 30%, 70%
XYZ	28.3434, 38.1065, 25.6001
YIQ	156.8120, -15.1710, -27.9310

# Conversions

## Conversions Part 2

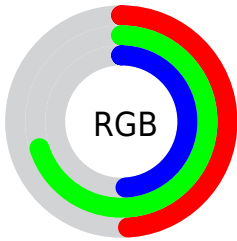
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 178, 179
Decimal	8237950
CIELab	68.10, -28.45, 21.56
CIELCh	68, 35.694, 142.846
Yxy	38.1065, 0.3079, 0.4140
Android (android.graphics.Color)	4286428030 (0xFF7DB37E)
YUV	156.8120, -15.1903, -27.8991
Hunter-Lab	61.7305, -26.0704, 18.6233

# Details

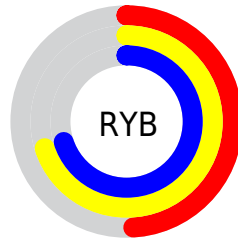
The XYZ color **28.3434, 38.1065, 25.6001** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **33.9611, 27.4660, 45.6324**, and the grayscale version is **32.0351, 33.7034, 36.7030**.

A 20% lighter version of the original color is **56.4354, 72.2550, 53.6200**, and **11.6244, 16.9134, 9.6731** is the 20% darker color. If you saturate the color by 10%, you get **24.9262, 36.4657, 20.0334**, and if you desaturate by 10%, it is **32.4327, 40.0730, 32.2392**.

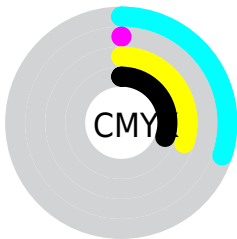
# Distribution



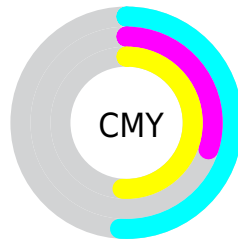
- Red (49%)
- Green (70%)
- Blue (49%)



- Red (49%)
- Yellow (70%)
- Blue (70%)



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




- Cyan (51%)
- Magenta (30%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3434, 38.1065, 25.6001 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 28.3434, 38.1065, 25.6001 by changing the saturation by 10% instead.





 28.3434, 38.1065,  
25.6001


 28.3434, 38.1065,  
25.6001


286.1546,  
338.0766, 294.3562


 18.7265, 26.0654,  
16.3016


 56.4370, 72.2713,  
53.6052

 11.5756, 16.8725,  
9.5812

 75.6445, 95.1638,  
73.1490

 6.5255, 10.1437,  
5.0202


 98.7794, 122.4422,  
96.9449

 3.2109, 5.4943,  
2.2002

126.2072,  
154.4909, 125.4116

 1.2662, 2.5401,  
0.6745

158.2933,  
191.6943, 158.9675

 0.1577, 0.8967,  
0.0000

195.4030,

 0.0000, 0.0000,

234.4368, 198.0312

0.0000

237.9017,  
283.1028, 243.0213

■ 28.3434, 38.1065,  
25.6001

■ 28.3434, 38.1065,  
25.6001

■ 24.9262, 36.4657,  
20.0334

■ 32.4327, 40.0730,  
32.2392

■ 22.1424, 35.1284,  
15.4804

■ 37.2241, 42.3762,  
39.9999

■ 19.9538, 34.0776,  
11.8809


■ 42.7495, 45.0327,  
48.9319


■ 18.3173, 33.2923,  
9.1672


■ 49.0380, 48.0565,  
59.0806


■ 17.1834, 32.7488,  
7.2627


■ 56.1170, 51.4606,  
70.4894

 16.4944, 32.4191,  
6.0779

 64.0127, 55.2579,  
83.1995

 16.1390, 32.2490,  
5.4693

 72.7499, 59.4601,  
97.2500

 75.4108, 60.7217,  
102.3536

# Harmonies

## Analogous

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



32.2219, 38.1065, 19.1751



28.3434, 38.1065, 25.6001



26.6066, 38.1065, 37.7911

# Triad

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



28.3434, 38.1065, 25.6001



34.9029, 38.1065, 79.9254



47.0008, 38.1065, 30.6956

# Complementary

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



28.3434, 38.1065, 25.6001



33.9611, 27.4660, 45.6324

# 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.



47.9060, 38.1065, 45.4259



28.3434, 38.1065, 25.6001



40.5339, 38.1065, 76.6200

# Square

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



28.3434, 38.1065, 25.6001



30.1338, 38.1065, 71.0183



45.4332, 38.1065, 62.8859



43.0730, 38.1065, 21.5478



# Rectangle

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



28.3434, 38.1065, 25.6001



26.7570, 38.1065, 48.6836



45.4332, 38.1065, 62.8859



47.6840, 38.1065, 35.0451

# Sweetspot

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



28.3444, 38.1081, 25.6009



67.6094, 76.3456, 73.1647



38.2064, 43.1996, 25.7269



14.6826, 16.7719, 15.7302



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



28.3444, 38.1081, 25.6009



46.6862, 66.2891, 39.2142



30.3201, 38.8984, 36.0048



8.3952, 9.4926, 9.0745



11.4068, 22.7887, 3.8789



0.3610, 0.7179, 0.1331



# Inverse Universe

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



33.9611, 27.4660, 45.6324



58.3188, 44.2464, 80.6993



31.5192, 26.4892, 32.7733



8.8431, 8.6440, 10.6722



18.6551, 8.9796, 29.6733



0.5891, 0.2834, 0.9449



# Previews

## White Background



This preview shows how the XYZ color 28.3434, 38.1065, 25.6001 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 28.3434, 38.1065, 25.6001 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 28.3434, 38.1065, 25.6001**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.3434, 38.1065, 25.6001.



This preview shows how white text looks on a background with the XYZ color 28.3434, 38.1065,



# 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

28.3434, 38.1065, 25.6001

### Protanopia

35.2054, 37.7313, 23.1966

### Deuteranopia

38.4197, 37.7454, 26.3798



## Tritanopia

33.4732, 37.8628, 51.4430

# Trichromacy



## Original Color

28.3434, 38.1065, 25.6001

## Protanomaly

32.1857, 37.5255, 23.9591

## Deuteranomaly

33.7471, 37.1822, 26.1671

## Tritanomaly

31.3526, 37.8580, 40.7768

# Monochromacy



## Original Color

28.3434, 38.1065, 25.6001

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

30.3205, 35.0053, 32.3528

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.3434, 38.1065, 25.6001 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(125, 179, 126)` looks like.

```
.text, #text, p{  
    color:rgb(125, 179, 126)  
}
```

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(125, 179, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 179, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 28.3434, 38.1065, 25.6001 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(125, 179, 126) }
```



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

```
.border{ border-color:rgb(125, 179, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 179, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 179, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 179, 126);  
box-shadow:4px 4px 4px 4px rgb(125, 179,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.3434, 38.1065, 25.6001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 179, 126) }
```

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

```
.background{ background-color: rgb(125,  
179, 126) }
```

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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