

Converting Colors

XYZ(37.6663, 66.6925, 24.6943)

Have a look what the booklet for
XYZ(37.6663, 66.6925, 24.6943)
contains.

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Color

**XYZ(37.6849, 66.6992,
24.7980)**

Conversions

Conversions Part 1

Format	Color
Hex	4CF36B
RGB	76, 243, 107
RGB Percent	30%, 95%, 42%
CMY	0.7020, 0.0470, 0.5804
CMYK	0.69, 0.00, 0.56, 0.05
HSL	131°, 87%, 63%
HSV	131°, 69%, 95%
XYZ	37.6849, 66.6992, 24.7980
YIQ	177.5630, -55.8760, -77.7000

Conversions

Conversions Part 2

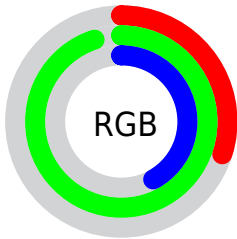
Format	Color
RYB	76, 217, 243
Decimal	5043051
CIELab	85.35, -69.54, 52.61
CIELCh	85, 87.197, 142.892
Yxy	66.6992, 0.2917, 0.5163
Android (android.graphics.Color)	4283233131 (0xFF4CF36B)
YUV	177.5630, -34.7876, -89.0708
Hunter-Lab	81.6696, -60.5563, 39.1660

Details

The XYZ color **37.6849, 66.6992, 24.7980** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **51.4320, 28.9780, 65.1708**, and the grayscale version is **42.2864, 44.4886, 48.4481**.

A 20% lighter version of the original color is **53.6946, 80.0225, 46.3341**, and **17.9916, 34.9550, 9.1669** is the 20% darker color. If you saturate the color by 10%, you get **35.1818, 65.5176, 19.8548**, and if you desaturate by 10%, it is **41.1581, 68.3573, 31.0331**.

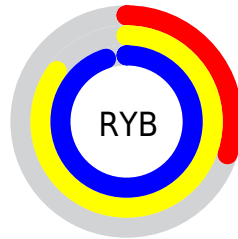
Distribution



Red (30%)

Green (95%)

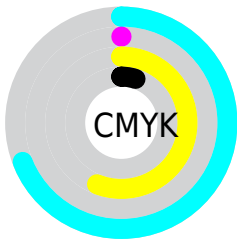
Blue (42%)



Red (30%)

Yellow (85%)

Blue (95%)

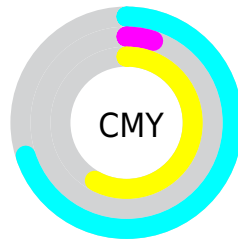


Cyan (69%)

Magenta (0%)

Yellow (56%)

Black (5%)



Cyan (70%)


Magenta (5%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6849, 66.6992, 24.7980 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 37.6849, 66.6992, 24.7980 by changing the saturation by 10% instead.


 37.6849, 66.6992,
24.7980


 37.6849, 66.6992,
24.7980


327.5706,
448.8733, 290.2459


 25.9143, 48.8402,
15.7090


 70.9319, 114.4893,
52.2894


 16.8919, 34.4927,
9.1663


 93.1391, 145.1892,
71.5288

 10.2523, 23.2724,
4.7515


 119.5558,
180.9382, 94.9888

 5.6301, 14.7948,
2.0461

 150.5475,
222.1206, 123.0879

 2.6600, 8.6755,
0.5834

186.4795,
269.1210, 156.2446

 0.9766, 4.5301,
0.0000

227.7171,

 0.0000, 1.9743,

322.3236, 194.8775

0.0000

274.6257,
382.1129, 239.4050

■ 0.0000, 0.5925,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6849, 66.6992,
24.7980

■ 37.6849, 66.6992,
24.7980

■ 35.1818, 65.5176,
19.8548

■ 41.1581, 68.3573,
31.0331

■ 33.5405, 64.7527,
16.1081


■ 45.6851, 70.5274,
38.6376


■ 32.6167, 64.3342,
13.4558


■ 51.3456, 73.2510,
47.6881

■ 32.5277, 64.2941,
13.1896

■ 58.2104, 76.5632,
58.2543

 66.3444, 80.4960,
70.4014

 75.8077, 85.0791,
84.1906

 86.6567, 90.3404,
99.6801

 91.3419, 92.5838,
107.6640

Harmonies

Analogous

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



49.7456, 66.6992, 11.4552



37.6849, 66.6992, 24.7980



32.6947, 66.6992, 59.9856

Triad

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



37.6849, 66.6992, 24.7980



58.8136, 66.6992, 242.7421



105.1912, 66.6992, 38.0109

Complementary

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



37.6849, 66.6992, 24.7980



51.4320, 28.9780, 65.1708

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.



109.0184, 66.6992, 86.9237



37.6849, 66.6992, 24.7980



79.3387, 66.6992, 225.8738

Square

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



37.6849, 66.6992, 24.7980



43.1404, 66.6992, 198.4069



98.7443, 66.6992, 159.9425



89.1666, 66.6992, 15.8480

Rectangle

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



37.6849, 66.6992, 24.7980



33.1244, 66.6992, 99.6821



98.7443, 66.6992, 159.9425



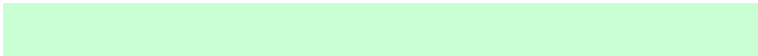
108.0663, 66.6992, 50.9675

Sweetspot

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



37.6865, 66.7020, 24.7995



71.7755, 88.7228, 75.2277



60.6195, 78.6803, 18.8295



14.8142, 18.7250, 15.2852



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.



37.6865, 66.7020, 24.7995



38.5107, 72.7499, 20.5481



44.3399, 69.3633, 59.8355



16.4079, 18.5223, 18.1661



17.8874, 35.2998, 7.4267



1.6058, 3.1160, 0.8300

Inverse Universe

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



51.4320, 28.9780, 65.1708



54.6313, 28.1735, 67.6479



43.5030, 25.8064, 23.4173



17.0739, 16.7124, 20.1359



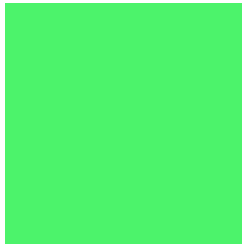
25.9203, 12.7116, 30.6186



2.3116, 1.1306, 2.8670

Previews

White Background



This preview shows how the XYZ color 37.6849, 66.6992, 24.7980 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 37.6849, 66.6992, 24.7980 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

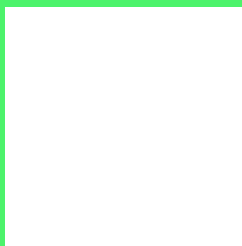
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6849, 66.6992, 24.7980

Background



This preview shows how black text looks on a background with the XYZ color 37.6849, 66.6992, 24.7980.

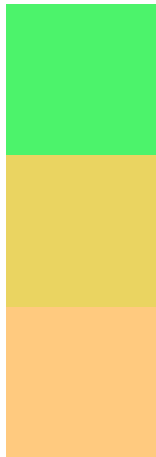


This preview shows how white text looks on a background with the XYZ color 37.6849, 66.6992,

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

37.6849, 66.6992, 24.7980

Protanopia

59.6328, 65.4425, 20.7979

Deuteranopia

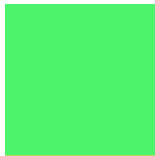
66.1913, 65.0334, 29.1427



Tritanopia

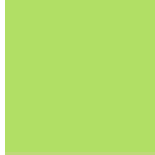
52.0031, 66.0538, 98.0045

Trichromacy



Original Color

37.6849, 66.6992, 24.7980



Protanomaly

46.8681, 63.0620, 22.0139



Deuteranomaly

49.4382, 61.9289, 27.1171



Tritanomaly

44.6962, 65.1469, 62.4434

Monochromacy



Original Color

37.6849, 66.6992, 24.7980



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.7725, 50.1708, 37.3989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6849, 66.6992, 24.7980 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(76, 243, 107)` looks like.

```
.text, #text, p{  
    color:rgb(76, 243, 107)  
}
```

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(76, 243, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 243, 107) }
```

Border

The CSS property to change the border of an element to XYZ 37.6849, 66.6992, 24.7980 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(76, 243, 107) }
```


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

```
.border{ border-color:rgb(76, 243, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 243, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 243, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 243, 107);  
box-shadow:4px 4px 4px 4px rgb(76, 243,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6849, 66.6992, 24.7980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 243, 107) }
```

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

```
.background{ background-color: rgb(76, 243,  
107) }
```

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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