

Converting Colors

XYZ(40.0404, 64.8349, 25.0982)

Have a look what the booklet for
XYZ(40.0404, 64.8349, 25.0982)
contains.

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Color

**XYZ(40.0124, 64.8297,
25.1564)**

Conversions

Conversions Part 1

Format	Color
Hex	74EC6E
RGB	116, 236, 110
RGB Percent	45%, 93%, 43%
CMY	0.5451, 0.0745, 0.5686
CMYK	0.51, 0.00, 0.53, 0.07
HSL	117°, 77%, 68%
HSV	117°, 53%, 93%
XYZ	40.0124, 64.8297, 25.1564
YIQ	185.7560, -31.0740, -64.6260

Conversions

Conversions Part 2

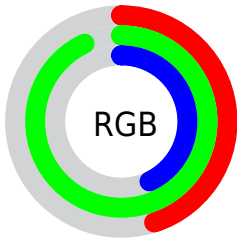
Format	Color
RYB	110, 236, 230
Decimal	7662702
CIELab	84.40, -58.01, 50.37
CIELCh	84, 76.827, 139.029
Yxy	64.8297, 0.3078, 0.4987
Android (android.graphics.Color)	4285852782 (0xFF74EC6E)
YUV	185.7560, -37.3477, -61.1760
Hunter-Lab	80.5169, -52.2000, 37.8375

Details

The XYZ color **40.0124, 64.8297, 25.1564** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **53.3528, 34.0333, 83.1174**, and the grayscale version is **46.7518, 49.1865, 53.5641**.

A 20% lighter version of the original color is **60.1400, 83.3143, 48.0335**, and **18.2239, 33.2394, 9.3262** is the 20% darker color. If you saturate the color by 10%, you get **36.2601, 63.0265, 19.1437**, and if you desaturate by 10%, it is **44.8327, 67.1478, 33.0076**.

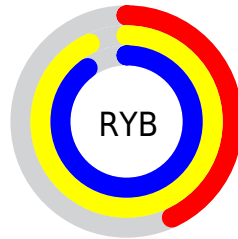
Distribution



Red (45%)

Green (93%)

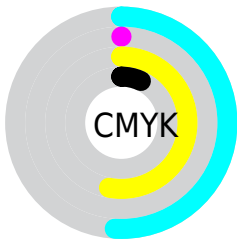
Blue (43%)



Red (43%)

Yellow (93%)

Blue (90%)

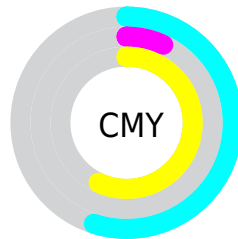


Cyan (51%)

Magenta (0%)

Yellow (53%)

Black (7%)



Cyan (55%)

Magenta (7%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0124, 64.8297, 25.1564 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 40.0124, 64.8297, 25.1564 by changing the saturation by 10% instead.

40.0124, 64.8297,
25.1564

40.0124, 64.8297,
25.1564

337.3094,
442.1797, 292.0885

27.7325, 47.3230,
15.9735

74.4666, 111.8050,
52.8781

18.2635, 33.2911,
9.3513

97.3716, 142.0424,
72.2540

11.2402, 22.3495,
4.8711

124.5490,
177.2921, 95.8647

6.2971, 14.1139,
2.1144

156.3641,
217.9385, 124.1287

3.0689, 8.2000,
0.6243

193.1824,
264.3662, 157.4645

1.1903, 4.2232,
0.0000

235.3691,

0.0987, 1.7992,

316.9593, 196.2907

0.0000

283.2896,
376.1024, 241.0259

■ 0.0000, 0.4867,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0124, 64.8297,
25.1564

■ 40.0124, 64.8297,
25.1564

■ 36.2601, 63.0265,
19.1437

■ 44.8327, 67.1478,
33.0076

■ 33.4904, 61.6915,
14.8163


■ 50.7889, 70.0072,
42.8258


■ 31.6123, 60.7836,
12.0034

■ 57.9487, 73.4421,
54.7327


■ 30.5157, 60.2506,
10.4959

■ 66.3730, 77.4815,
68.8392

 30.1379, 60.0662,
10.0055

 76.1189, 82.1525,
85.2482

 87.2397, 87.4808,
104.0562

 89.2867, 88.4735,
106.9789

Harmonies

Analogous

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



51.5256, 64.8297, 13.8023



40.0124, 64.8297, 25.1564



34.6891, 64.8297, 54.1699

Triad

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



40.0124, 64.8297, 25.1564



55.5817, 64.8297, 208.9059



98.1421, 64.8297, 44.1639

Complementary

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



40.0124, 64.8297, 25.1564



53.3528, 34.0333, 83.1174

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.



99.7792, 64.8297, 90.0288



40.0124, 64.8297, 25.1564



72.9506, 64.8297, 201.9378

Square

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



40.0124, 64.8297, 25.1564



42.5081, 64.8297, 167.9940



89.8682, 64.8297, 151.8889



85.7389, 64.8297, 20.7475

Rectangle

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



40.0124, 64.8297, 25.1564



34.5576, 64.8297, 86.3906



89.8682, 64.8297, 151.8889



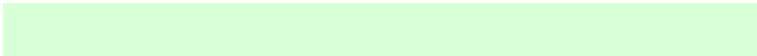
100.0457, 64.8297, 56.8414

Sweetspot

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



40.0140, 64.8324, 25.1578



76.2840, 91.0058, 77.2976



65.6229, 75.3888, 25.8457



15.8749, 19.2618, 15.7857



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.



40.0140, 64.8324, 25.1578



42.8909, 74.9739, 22.2903



43.3753, 66.0878, 46.8860



14.9346, 16.8963, 15.9929



16.6419, 33.1237, 5.5164



1.3302, 2.6131, 0.4343

Inverse Universe

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



53.3528, 34.0333, 83.1174



60.2996, 34.6561, 98.1189



48.3374, 32.2533, 46.4871



15.6398, 15.2751, 19.0463



25.4540, 12.1580, 44.7481



2.0206, 0.9660, 3.5148

Previews

White Background



This preview shows how the XYZ color 40.0124, 64.8297, 25.1564 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 40.0124, 64.8297, 25.1564 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 40.0124, 64.8297, 25.1564

Background



This preview shows how black text looks on a background with the XYZ color 40.0124, 64.8297, 25.1564.



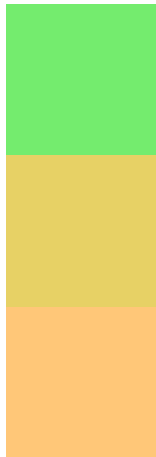
This preview shows how white text looks on a background with the XYZ color 40.0124, 64.8297,

25.1564.

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

40.0124, 64.8297, 25.1564

Protanopia

58.1044, 63.5294, 21.5119

Deuteranopia

65.0536, 63.4629, 26.5902



Tritanopia

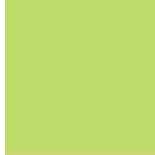
53.3511, 64.4631, 92.0688

Trichromacy



Original Color

40.0124, 64.8297, 25.1564



Protanomaly

48.8165, 62.4813, 22.5839



Deuteranomaly

51.5977, 61.1853, 25.6135



Tritanomaly

46.9262, 63.8568, 60.3044

Monochromacy



Original Color

40.0124, 64.8297, 25.1564



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.4624, 53.2314, 40.3844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0124, 64.8297, 25.1564 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(116, 236, 110)` looks like.

```
.text, #text, p{  
    color:rgb(116, 236, 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(116, 236, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 236, 110) }
```

Border

The CSS property to change the border of an element to XYZ 40.0124, 64.8297, 25.1564 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(116, 236, 110) }
```


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

```
.border{ border-color:rgb(116, 236, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 236, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 236, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 236, 110);  
box-shadow:4px 4px 4px 4px rgb(116, 236,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0124, 64.8297, 25.1564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 236, 110) }
```

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

```
.background{ background-color: rgb(116,  
236, 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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