

Converting Colors

XYZ(40.5018, 63.3746, 26.6393)

Have a look what the booklet for
XYZ(40.5018, 63.3746, 26.6393)
contains.

XYZ(40.4664, 63.3342, 26.6149)	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(40.4664, 63.3342,
26.6149)**

Conversions

Conversions Part 1

Format	Color
Hex	7DE874
RGB	125, 232, 116
RGB Percent	49%, 91%, 45%
CMY	0.5098, 0.0902, 0.5451
CMYK	0.46, 0.00, 0.50, 0.09
HSL	115°, 72%, 68%
HSV	115°, 50%, 91%
XYZ	40.4664, 63.3342, 26.6149
YIQ	186.7830, -26.5360, -58.7600

Conversions

Conversions Part 2

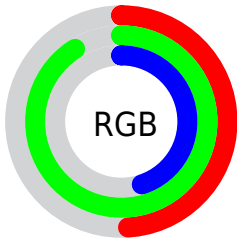
Format	Color
RYB	116, 232, 223
Decimal	8251508
CIELab	83.62, -53.24, 46.70
CIELCh	84, 70.824, 138.743
Yxy	63.3342, 0.3103, 0.4856
Android (android.graphics.Color)	4286441588 (0xFF7DE874)
YUV	186.7830, -34.8960, -54.1837
Hunter-Lab	79.5828, -48.5059, 35.8796

Details

The XYZ color **40.4664, 63.3342, 26.6149** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **51.2457, 34.0072, 80.2105**, and the grayscale version is **47.3142, 49.7783, 54.2085**.

A 20% lighter version of the original color is **62.5441, 84.4896, 51.0419**, and **18.4354, 32.1539, 10.0852** is the 20% darker color. If you saturate the color by 10%, you get **36.4875, 61.4218, 20.2427**, and if you desaturate by 10%, it is **45.4585, 65.7337, 34.7961**.

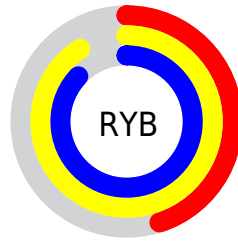
Distribution



Red (49%)

Green (91%)

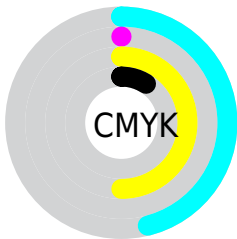
Blue (45%)



Red (45%)

Yellow (91%)

Blue (87%)

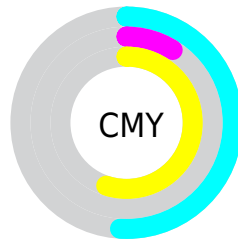


Cyan (46%)

Magenta (0%)

Yellow (50%)

Black (9%)



Cyan (51%)


Magenta (9%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4664, 63.3342, 26.6149 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 40.4664, 63.3342, 26.6149 by changing the saturation by 10% instead.


 40.4664, 63.3342,
26.6149


 40.4664, 63.3342,
26.6149


339.1863,
436.7814, 299.4886


 28.0882, 46.1116,
17.0543


 75.1530, 109.6515,
55.2615

 18.5330, 32.3339,
10.1109


 98.1922, 139.5151,
75.1846

 11.4353, 21.6167,
5.3660


 125.5157,
174.3610, 99.3990

 6.4299, 13.5755,
2.4011

157.4890,
214.5738, 128.3231

 3.1513, 7.8260,
0.7870

194.4773,
260.5379, 162.3756

 1.2343, 3.9838,
0.0000

236.8461,

 0.1332, 1.6645,

312.6376, 201.9750

0.0000

284.9606,
371.2572, 247.5398

0.0000, 0.4005,
0.0000

0.0000, 0.0000,
0.0000

40.4664, 63.3342,
26.6149

40.4664, 63.3342,
26.6149

36.4875, 61.4218,
20.2427

45.4585, 65.7337,
34.7961

33.4478, 59.9558,
15.5385


51.5219, 68.6420,
44.9048


31.2710, 58.9020,
12.3475


58.7156, 72.0891,
57.0542


29.8664, 58.2176,
10.4842


67.0932, 76.1002,
71.3477

 29.1073, 57.8444,
9.6310

 76.7047, 80.6991,
87.8817

 29.1073, 57.8444,
9.6310

 87.5641, 85.8949,
106.5720

 88.1479, 86.1959,
106.5993

Harmonies

Analogous

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



51.1244, 63.3342, 15.6149



40.4664, 63.3342, 26.6149



35.4542, 63.3342, 53.6110

Triad

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



40.4664, 63.3342, 26.6149



54.5675, 63.3342, 191.0258



93.0403, 63.3342, 45.0206

Complementary

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



40.4664, 63.3342, 26.6149



51.2457, 34.0072, 80.2105

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.



94.3922, 63.3342, 86.9906



40.4664, 63.3342, 26.6149



70.2846, 63.3342, 185.3968

Square

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



40.4664, 63.3342, 26.6149



42.6133, 63.3342, 155.0254



85.4813, 63.3342, 141.9005



82.0543, 63.3342, 22.6550

Rectangle

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



40.4664, 63.3342, 26.6149



35.2949, 63.3342, 82.7563



85.4813, 63.3342, 141.9005



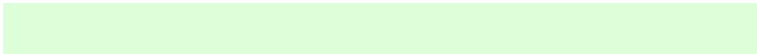
94.6990, 63.3342, 56.7895

Sweetspot

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



40.4680, 63.3369, 26.6163



77.6814, 91.6882, 79.0786



62.6439, 70.8398, 26.8957



16.1640, 19.4033, 16.1369



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.



40.4680, 63.3369, 26.6163



45.0803, 76.0478, 24.8731



42.7921, 64.1216, 45.4031



14.2924, 16.1423, 15.2669



16.1988, 32.1323, 5.3484



1.2333, 2.3932, 0.3969

Inverse Universe

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



51.2457, 34.0072, 80.2105



59.8096, 35.8012, 98.3657



48.1432, 33.0950, 49.0172



14.8790, 14.5554, 18.1696



23.5317, 11.1969, 43.3041



1.7719, 0.8444, 3.2016

Previews

White Background



This preview shows how the XYZ color 40.4664, 63.3342, 26.6149 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 40.4664, 63.3342, 26.6149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

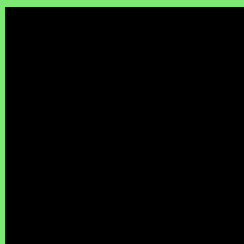
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

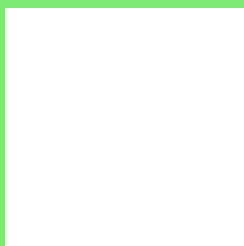
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4664, 63.3342, 26.6149

Background



This preview shows how black text looks on a background with the XYZ color 40.4664, 63.3342, 26.6149.



This preview shows how white text looks on a background with the XYZ color 40.4664, 63.3342,

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

40.4664, 63.3342, 26.6149

Protanopia

57.0145, 62.2023, 23.1886

Deuteranopia

63.6794, 62.3781, 28.0859



Tritanopia

52.8663, 63.1087, 88.7517

Trichromacy



Original Color

40.4664, 63.3342, 26.6149



Protanomaly

48.9110, 61.3358, 24.3000



Deuteranomaly

51.7363, 60.4775, 27.3589



Tritanomaly

46.9853, 62.6925, 59.4937

Monochromacy



Original Color

40.4664, 63.3342, 26.6149



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.0988, 53.1776, 41.7110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4664, 63.3342, 26.6149 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, 232, 116)` looks like.

```
.text, #text, p{  
    color:rgb(125, 232, 116)  
}
```

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, 232, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 232, 116) }
```

Border

The CSS property to change the border of an element to XYZ 40.4664, 63.3342, 26.6149 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, 232, 116) }
```


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

```
.border{ border-color:rgb(125, 232, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 232, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 232, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 232, 116);  
box-shadow:4px 4px 4px 4px rgb(125, 232,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4664, 63.3342, 26.6149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 232, 116) }
```

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

```
.background{ background-color: rgb(125,  
232, 116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor