

Converting Colors

XYZ(40.5922, 65.7883, 23.4661)

Have a look what the booklet for
XYZ(40.5922, 65.7883, 23.4661)
contains.

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Color

**XYZ(40.4781, 65.5407,
23.3492)**

Conversions

Conversions Part 1

Format	Color
Hex	78ED67
RGB	120, 237, 103
RGB Percent	47%, 93%, 40%
CMY	0.5294, 0.0706, 0.5961
CMYK	0.49, 0.00, 0.57, 0.07
HSL	112°, 79%, 67%
HSV	112°, 57%, 93%
XYZ	40.4781, 65.5407, 23.3492
YIQ	186.7410, -26.7180, -66.4780

Conversions

Conversions Part 2

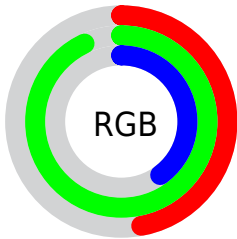
Format	Color
RYB	103, 237, 220
Decimal	7925095
CIELab	84.76, -58.14, 54.02
CIELCh	85, 79.357, 137.104
Yxy	65.5407, 0.3129, 0.5066
Android (android.graphics.Color)	4286115175 (0xFF78ED67)
YUV	186.7410, -41.2843, -58.5319
Hunter-Lab	80.9572, -52.4262, 39.5700

Details

The XYZ color **40.4781, 65.5407, 23.3492** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **49.6550, 31.0329, 83.4971**, and the grayscale version is **47.3256, 49.7902, 54.2216**.

A 20% lighter version of the original color is **60.4362, 83.5380, 44.8374**, and **18.5065, 33.7050, 8.4361** is the 20% darker color. If you saturate the color by 10%, you get **36.8870, 63.8099, 17.8276**, and if you desaturate by 10%, it is **45.0297, 67.7316, 30.6780**.

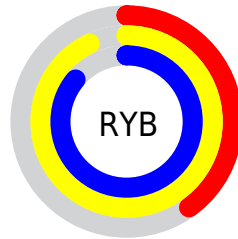
Distribution



Red (47%)

Green (93%)

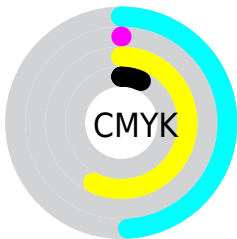
Blue (40%)



Red (40%)

Yellow (93%)

Blue (86%)

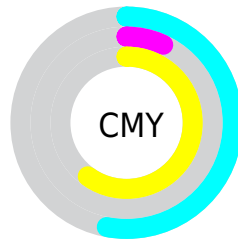


Cyan (49%)

Magenta (0%)

Yellow (57%)

Black (7%)



Cyan (53%)


Magenta (7%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4781, 65.5407, 23.3492 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 40.4781, 65.5407, 23.3492 by changing the saturation by 10% instead.


 40.4781, 65.5407,
23.3492


 40.4781, 65.5407,
23.3492


339.2346,
444.7325, 282.6933


 28.0974, 47.8996,
14.6438


 75.1707, 112.8269,
49.8965


 18.5399, 33.7474,
8.4260


 98.2133, 143.2408,
68.5756

 11.4403, 22.6996,
4.2771


 125.5406,
178.6811, 91.4163

 6.4333, 14.3719,
1.7785

 157.5179,
219.5322, 118.8371

 3.1534, 8.3798,
0.4137

194.5106,
266.1785, 151.2568

 1.2354, 4.3389,
0.0000

236.8840,

 0.1341, 1.8649,

319.0044, 189.0936

0.0000

285.0036,
378.3942, 232.7663

0.0000, 0.5271,
0.0000

0.0000, 0.0000,
0.0000

40.4781, 65.5407,
23.3492

40.4781, 65.5407,
23.3492

36.8870, 63.8099,
17.8276

45.0297, 67.7316,
30.6780

34.1819, 62.4983,
13.9525


50.5997, 70.4036,
39.9478


32.2850, 61.5718,
11.5425


57.2469, 73.5864,
51.2846


31.1014, 60.9864,
10.3679

65.0243, 77.3046,
64.8028

 30.8227, 60.8480,
10.1203

 73.9813, 81.5816,
80.6084

 84.1645, 86.4391,
98.8002

 89.5755, 89.0510,
107.0752

Harmonies

Analogous

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



52.7818, 65.5407, 12.7629



40.4781, 65.5407, 23.3492



34.5856, 65.5407, 51.6862

Triad

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



40.4781, 65.5407, 23.3492



54.9800, 65.5407, 215.4352



100.9621, 65.5407, 46.2921

Complementary

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



40.4781, 65.5407, 23.3492



49.6550, 31.0329, 83.4971

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.



101.8601, 65.5407, 95.4894



40.4781, 65.5407, 23.3492



72.8865, 65.5407, 211.5767

Square

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



40.4781, 65.5407, 23.3492



41.8227, 65.5407, 169.6536



90.8078, 65.5407, 160.7696



88.5476, 65.5407, 21.0205

Rectangle

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



40.4781, 65.5407, 23.3492



34.1824, 65.5407, 84.1527



90.8078, 65.5407, 160.7696



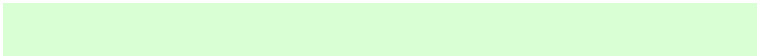
102.6940, 65.5407, 59.9391

Sweetspot

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



40.4797, 65.5435, 23.3507



76.2590, 91.0303, 75.6075



62.7424, 69.7196, 22.9834



15.9057, 19.2850, 15.4544



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.



40.4797, 65.5435, 23.3507



42.9297, 75.0419, 20.1250



41.5582, 65.7263, 40.2609



15.0459, 16.9537, 15.9981



16.8866, 33.2498, 5.5278



1.3833, 2.6405, 0.4368

Inverse Universe

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



49.6550, 31.0329, 83.4971



54.6435, 30.5191, 97.6185



48.8404, 31.3319, 50.9776



15.5159, 15.2112, 19.0405



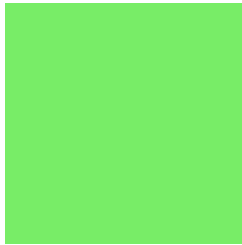
22.4630, 10.6160, 44.6081



1.8165, 0.8607, 3.5053

Previews

White Background



This preview shows how the XYZ color 40.4781, 65.5407, 23.3492 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 40.4781, 65.5407, 23.3492 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

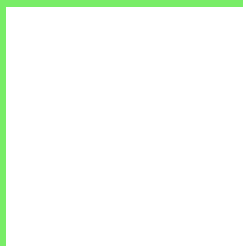
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4781, 65.5407, 23.3492

Background



This preview shows how black text looks on a background with the XYZ color 40.4781, 65.5407, 23.3492.

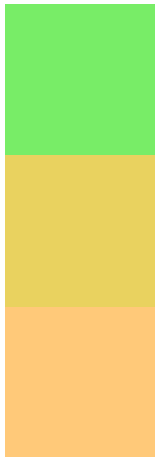


This preview shows how white text looks on a background with the XYZ color 40.4781, 65.5407,

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

40.4781, 65.5407, 23.3492

Protanopia

58.7164, 64.2430, 20.1319

Deuteranopia

65.5778, 64.4138, 27.0659



Tritanopia

54.4776, 65.4221, 92.9755

Trichromacy



Original Color

40.4781, 65.5407, 23.3492



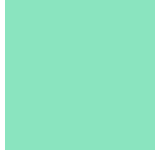
Protanomaly

49.5360, 63.2747, 21.1577



Deuteranomaly

52.5374, 62.4299, 25.2007



Tritanomaly

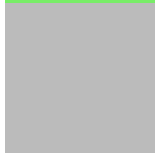
47.6286, 64.6517, 59.2589

Monochromacy



Original Color

40.4781, 65.5407, 23.3492



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

42.9363, 53.8495, 39.5835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4781, 65.5407, 23.3492 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(120, 237, 103)` looks like.

```
.text, #text, p{  
    color:rgb(120, 237, 103)  
}
```

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(120, 237, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 237, 103) }
```

Border

The CSS property to change the border of an element to XYZ 40.4781, 65.5407, 23.3492 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(120, 237, 103) }
```


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

```
.border{ border-color:rgb(120, 237, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 237, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 237, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 237, 103);  
box-shadow:4px 4px 4px 4px rgb(120, 237,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4781, 65.5407, 23.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 237, 103) }
```

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

```
.background{ background-color: rgb(120,  
237, 103) }
```

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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