

Converting Colors

XYZ(25.5004, 40.5369, 16.8992)

Have a look what the booklet for
XYZ(25.5004, 40.5369, 16.8992)
contains.

XYZ(25.5364, 40.5933, 16.8453)	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(25.5364, 40.5933,
16.8453)**

Conversions

Conversions Part 1

Format	Color
Hex	61BF5D
RGB	97, 191, 93
RGB Percent	38%, 75%, 36%
CMY	0.6196, 0.2510, 0.6353
CMYK	0.49, 0.00, 0.51, 0.25
HSL	118°, 43%, 56%
HSV	118°, 51%, 75%
XYZ	25.5364, 40.5933, 16.8453
YIQ	151.7220, -24.5660, -50.4060

Conversions

Conversions Part 2

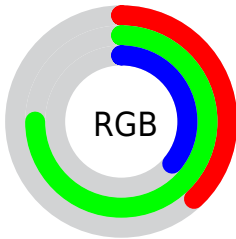
Format	Color
RYB	93, 191, 187
Decimal	6405981
CIELab	69.89, -47.58, 40.72
CIELCh	70, 62.626, 139.444
Yxy	40.5933, 0.3078, 0.4892
Android (android.graphics.Color)	4284596061 (0xFF61BF5D)
YUV	151.7220, -28.9499, -47.9912
Hunter-Lab	63.7129, -39.9539, 28.9231

Details

The XYZ color **25.5364, 40.5933, 16.8453** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **33.8137, 22.1563, 51.7867**, and the grayscale version is **29.8545, 31.4092, 34.2047**.

A 20% lighter version of the original color is **52.0047, 76.0492, 38.7261**, and **10.1093, 18.4408, 5.3121** is the 20% darker color. If you saturate the color by 10%, you get **23.0622, 39.4049, 12.8517**, and if you desaturate by 10%, it is **28.6747, 42.1021, 21.9745**.

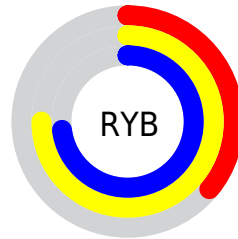
Distribution



Red (38%)

Green (75%)

Blue (36%)



Red (36%)

Yellow (75%)

Blue (73%)

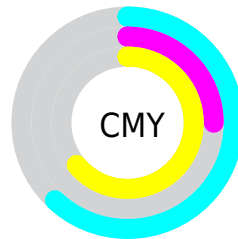


Cyan (49%)

Magenta (0%)

Yellow (51%)

Black (25%)



Cyan (62%)

Magenta (25%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5364, 40.5933, 16.8453 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 25.5364, 40.5933, 16.8453 by changing the saturation by 10% instead.

■ 25.5364, 40.5933,
16.8453

■ 25.5364, 40.5933,
16.8453

272.7974,
348.6179, 246.2930

■ 16.6080, 28.0014,
9.9635

■ 51.9627, 76.0661,
38.8466

■ 10.0490, 18.3267,
5.2695

■ 70.1914, 99.7159,
54.8031

■ 5.4940, 11.1848,
2.3447

■ 92.2508, 127.8204,
74.6217

■ 2.5776, 6.1913,
0.7561

■ 118.5064,
160.7640, 98.7207

■ 0.9346, 2.9617,
0.0000

149.3235,
198.9312, 127.5189

■ 0.0000, 1.1118,
0.0000

185.0675,

■ 0.0000, 0.0000,

242.7063, 161.4346

0.0000

226.1037,
292.4738, 200.8864

■ 25.5364, 40.5933,
16.8453

■ 25.5364, 40.5933,
16.8453

■ 23.0622, 39.4049,
12.8517

■ 28.6747, 42.1021,
21.9745

■ 21.2017, 38.5090,
9.9051

■ 32.5169, 43.9465,
28.3138

■ 19.9019, 37.8818,
7.9083

■ 37.1033, 46.1470,
35.9343

■ 19.0997, 37.4932,
6.7444

■ 42.4704, 48.7209,
44.9010

■ 18.7291, 37.3135,
6.2151

■ 48.6520, 51.6844,
55.2744

■ 55.6801, 55.0528,
67.1115

■ 63.5849, 58.8405,
80.4660

■ 72.3953, 63.0613,
95.3888

■ 77.9216, 65.7432,
103.1905

Harmonies

Analogous

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



32.4250, 40.5933, 9.6050



25.5364, 40.5933, 16.8453



22.3575, 40.5933, 34.7012

Triad

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



25.5364, 40.5933, 16.8453



35.1056, 40.5933, 125.4215



60.1481, 40.5933, 28.0372

Complementary

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



25.5364, 40.5933, 16.8453



33.8137, 22.1563, 51.7867

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.



61.2100, 40.5933, 55.2892



25.5364, 40.5933, 16.8453



45.4744, 40.5933, 120.9677

Square

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



25.5364, 40.5933, 16.8453



27.2006, 40.5933, 101.9595



55.4530, 40.5933, 91.6044



52.7653, 40.5933, 13.8175

Rectangle

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



25.5364, 40.5933, 16.8453



22.3116, 40.5933, 54.0531



55.4530, 40.5933, 91.6044



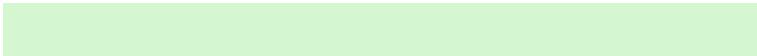
61.2999, 40.5933, 35.6221

Sweetspot

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



25.5374, 40.5950, 16.8462



72.1143, 85.3629, 73.8104



41.0434, 47.0287, 17.2708



15.3852, 18.5289, 15.4556



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



25.5374, 40.5950, 16.8462



40.6712, 70.2674, 22.0074



27.6688, 41.3996, 30.2383



9.4438, 10.6677, 10.1380



12.3247, 24.5295, 4.0851



0.4952, 0.9673, 0.1606

Inverse Universe

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



33.8137, 22.1563, 51.7867



57.1520, 33.4583, 91.7250



30.6602, 21.0096, 30.0032



9.8904, 9.6759, 12.0186



19.0635, 9.1137, 33.1473



0.7588, 0.3632, 1.2990

Previews

White Background



This preview shows how the XYZ color 25.5364, 40.5933, 16.8453 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 25.5364, 40.5933, 16.8453 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 25.5364, 40.5933, 16.8453

Background



This preview shows how black text looks on a background with the XYZ color 25.5364, 40.5933, 16.8453.



This preview shows how white text looks on a background with the XYZ color 25.5364, 40.5933,

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

25.5364, 40.5933, 16.8453

Protanopia

36.5480, 39.9861, 14.5959

Deuteranopia

40.6742, 39.8826, 17.6109



Tritanopia

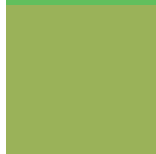
33.5301, 40.3891, 57.0676

Trichromacy



Original Color

25.5364, 40.5933, 16.8453



Protanomaly

31.0500, 39.4321, 15.4258



Deuteranomaly

32.8271, 38.8572, 17.0793



Tritanomaly

29.6567, 40.0303, 38.0618

Monochromacy



Original Color

25.5364, 40.5933, 16.8453



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.2487, 33.8167, 26.5638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5364, 40.5933, 16.8453 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(97, 191, 93)` looks like.

```
.text, #text, p{  
    color:rgb(97, 191, 93)  
}
```

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(97, 191, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 191, 93) }
```

Border

The CSS property to change the border of an element to XYZ 25.5364, 40.5933, 16.8453 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(97, 191, 93) }
```


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

```
.border{ border-color:rgb(97, 191, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 191, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 191, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 191, 93);  
box-shadow:4px 4px 4px 4px rgb(97, 191,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5364, 40.5933, 16.8453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 191, 93) }
```

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

```
.background{ background-color: rgb(97, 191,  
93) }
```

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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