

Converting Colors

XYZ(37.2607, 51.4593, 25.6131)

Have a look what the booklet for
XYZ(37.2607, 51.4593, 25.6131)
contains.

XYZ(37.3155, 51.6097, 25.7642)	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(37.3155, 51.6097,
25.7642)**

Conversions

Conversions Part 1

Format	Color
Hex	92CE78
RGB	146, 206, 120
RGB Percent	57%, 81%, 47%
CMY	0.4275, 0.1921, 0.5294
CMYK	0.29, 0.00, 0.42, 0.19
HSL	102°, 47%, 64%
HSV	102°, 42%, 81%
XYZ	37.3155, 51.6097, 25.7642
YIQ	178.2560, -8.1540, -39.4660

Conversions

Conversions Part 2

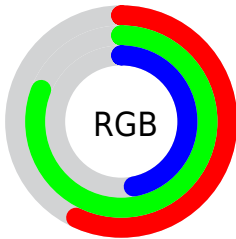
Format	Color
RYB	120, 206, 180
Decimal	9621112
CIELab	77.05, -34.95, 36.72
CIElCh	77, 50.693, 133.581
Yxy	51.6097, 0.3254, 0.4500
Android (android.graphics.Color)	4287811192 (0xFF92CE78)
YUV	178.2560, -28.7202, -28.2885
Hunter-Lab	71.8399, -33.0023, 29.0245

Details

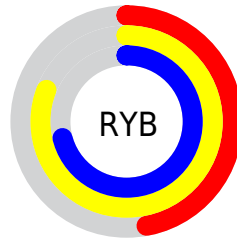
The XYZ color **37.3155, 51.6097, 25.7642** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **36.6818, 27.5940, 61.7882**, and the grayscale version is **42.6041, 44.8228, 48.8121**.

A 20% lighter version of the original color is **67.6599, 87.0937, 52.7799**, and **16.6863, 24.9026, 9.7216** is the 20% darker color. If you saturate the color by 10%, you get **33.8013, 49.9289, 19.7611**, and if you desaturate by 10%, it is **41.4225, 53.5682, 33.2011**.

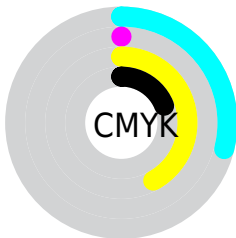
Distribution



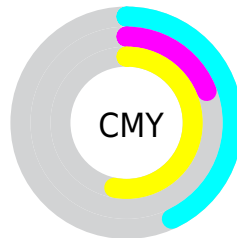
- Red (57%)
- Green (81%)
- Blue (47%)



- Red (47%)
- Yellow (81%)
- Blue (71%)



- Cyan (29%)
- Magenta (0%)
- Yellow (42%)
- Black (19%)



- Cyan (43%)
- Magenta (19%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3155, 51.6097, 25.7642 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 37.3155, 51.6097, 25.7642 by changing the saturation by 10% instead.

■ 37.3155, 51.6097,
25.7642

■ 37.3155, 51.6097,
25.7642

326.0063,
392.9280, 295.1912

■ 25.6267, 36.6941,
16.4231

■ 70.3684, 92.5554,
53.8737

■ 16.6758, 24.9707,
9.6665

■ 92.4633, 119.3542,
73.4792

■ 10.0975, 16.0552,
5.0757

■ 118.7574,
150.8829, 97.3433

■ 5.5264, 9.5632,
2.2322

149.6163,
187.5258, 125.8845

■ 2.5972, 5.1104,
0.6929

185.4053,
229.6674, 159.5214

■ 0.9445, 2.3122,
0.0000

226.4897,

■ 0.0000, 0.7801,

277.6920, 198.6724

0.0000

273.2350,
331.9841, 243.7562

■ 0.0000, 0.0000,
0.0000

■ 37.3155, 51.6097,
25.7642

■ 37.3155, 51.6097,
25.7642

■ 33.8013, 49.9289,
19.7611

■ 41.4225, 53.5682,
33.2011

■ 30.8468, 48.5059,
15.0961

■ 46.1457, 55.8098,
42.1525

■ 28.4211, 47.3289,
11.6673


■ 51.5115, 58.3482,
52.6970


■ 26.4886, 46.3817,
9.3566


■ 57.5439, 61.1940,
64.9070


■ 25.0080, 45.6465,
8.0229

■ 64.2656, 64.3575,
78.8503

 24.0762, 45.1778,
7.4512

 71.6978, 67.8482,
94.5910

 78.3434, 71.0684,
104.1962

 81.3624, 72.6248,
104.3375

Harmonies

Analogous

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



44.8140, 51.6097, 18.6895



37.3155, 51.6097, 25.7642



33.2872, 51.6097, 42.4416

Triad

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



37.3155, 51.6097, 25.7642



43.9815, 51.6097, 124.3454



69.4463, 51.6097, 44.5904

Complementary

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



37.3155, 51.6097, 25.7642



36.6818, 27.5940, 61.7882

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.



69.1461, 51.6097, 72.6366



37.3155, 51.6097, 25.7642



53.5522, 51.6097, 125.5085

Square

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



37.3155, 51.6097, 25.7642



36.7753, 51.6097, 101.4985



63.0261, 51.6097, 104.2906



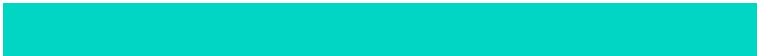
63.7991, 51.6097, 26.8895

Rectangle

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



37.3155, 51.6097, 25.7642



32.7326, 51.6097, 59.5876



63.0261, 51.6097, 104.2906



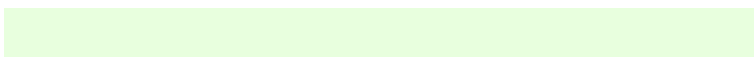
70.0581, 51.6097, 52.9322

Sweetspot

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



37.3168, 51.6119, 25.7653



82.1616, 93.9201, 82.7999



44.9193, 46.6269, 24.4024



17.1576, 19.9003, 16.8744



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.



37.3168, 51.6119, 25.7653



55.3582, 81.1769, 33.0010



34.2460, 49.9090, 31.0352



11.3816, 12.6986, 11.9306



14.9114, 27.8624, 4.5921



0.8467, 1.4773, 0.2405

Inverse Universe

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



36.6818, 27.5940, 61.7882



54.1584, 37.1970, 98.9330



41.4918, 30.2841, 52.5099



11.3446, 11.2269, 14.1395



14.0154, 6.4327, 36.4592



0.7977, 0.3703, 1.8844

Previews

White Background



This preview shows how the XYZ color 37.3155, 51.6097, 25.7642 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 37.3155, 51.6097, 25.7642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

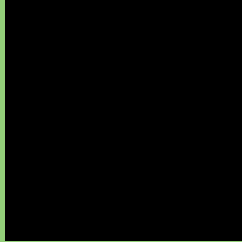
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3155, 51.6097, 25.7642

Background



This preview shows how black text looks on a background with the XYZ color 37.3155, 51.6097, 25.7642.



This preview shows how white text looks on a background with the XYZ color 37.3155, 51.6097,

25.7642.

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

37.3155, 51.6097, 25.7642

Protanopia

47.1828, 51.3072, 23.3361

Deuteranopia

51.9683, 50.8850, 26.8214



Tritanopia

45.9709, 51.3104, 69.1090

Trichromacy



Original Color

37.3155, 51.6097, 25.7642

Protanomaly

42.8999, 51.0551, 24.1166

Deuteranomaly

45.3402, 50.2879, 26.3856

Tritanomaly

42.1696, 51.1291, 49.7658

Monochromacy



Original Color

37.3155, 51.6097, 25.7642

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

39.7949, 46.5078, 38.7778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3155, 51.6097, 25.7642 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(146, 206, 120)` looks like.

```
.text, #text, p{  
    color:rgb(146, 206, 120)  
}
```

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(146, 206, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 206, 120) }
```

Border

The CSS property to change the border of an element to XYZ 37.3155, 51.6097, 25.7642 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(146, 206, 120) }
```


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

```
.border{ border-color:rgb(146, 206, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 206, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 206, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 206, 120);  
box-shadow:4px 4px 4px 4px rgb(146, 206,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3155, 51.6097, 25.7642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 206, 120) }
```

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

```
.background{ background-color: rgb(146,  
206, 120) }
```

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