

Converting Colors

XYZ(37.6094, 60.0926, 24.4213)

Have a look what the booklet for
XYZ(37.6094, 60.0926, 24.4213)
contains.

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Color

**XYZ(37.7603, 60.3256,
24.4057)**

Conversions

Conversions Part 1

Format	Color
Hex	74E46E
RGB	116, 228, 110
RGB Percent	45%, 89%, 43%
CMY	0.5451, 0.1059, 0.5686
CMYK	0.49, 0.00, 0.52, 0.11
HSL	117°, 69%, 66%
HSV	117°, 52%, 89%
XYZ	37.7603, 60.3256, 24.4057
YIQ	181.0600, -28.8740, -60.4420

Conversions

Conversions Part 2

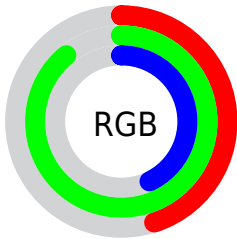
Format	Color
RYB	110, 228, 222
Decimal	7660654
CIELab	82.01, -54.91, 47.50
CIELCh	82, 72.606, 139.139
Yxy	60.3256, 0.3083, 0.4925
Android (android.graphics.Color)	4285850734 (0xFF74E46E)
YUV	181.0600, -35.0326, -57.0576
Hunter-Lab	77.6696, -49.1411, 35.7383

Details

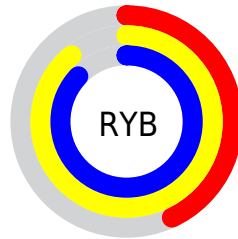
The XYZ color **37.7603, 60.3256, 24.4057** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **49.7070, 32.2850, 77.0138**, and the grayscale version is **44.1494, 46.4486, 50.5826**.

A 20% lighter version of the original color is **60.1400, 83.3143, 48.0335**, and **17.0376, 30.5948, 9.0104** is the 20% darker color. If you saturate the color by 10%, you get **34.1262, 58.5794, 18.5687**, and if you desaturate by 10%, it is **42.3868, 62.5501, 31.9586**.

Distribution



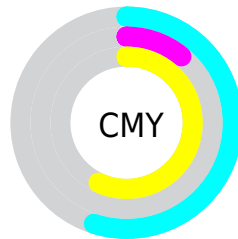
- Red (45%)
- Green (89%)
- Blue (43%)



- Red (43%)
- Yellow (89%)
- Blue (87%)



- Cyan (49%)
- Magenta (0%)
- Yellow (52%)
- Black (11%)



- Cyan (55%)
- Magenta (11%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7603, 60.3256, 24.4057 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 37.7603, 60.3256, 24.4057 by changing the saturation by 10% instead.

■ 37.7603, 60.3256,
24.4057

■ 37.7603, 60.3256,
24.4057

327.8893,
425.7969, 288.2175

■ 25.9731, 43.6811,
15.4199

■ 71.0469, 105.3018,
51.6435

■ 16.9361, 30.4199,
8.9647

■ 93.2769, 134.4024,
70.7326

■ 10.2839, 20.1575,
4.6217

■ 119.7186,
168.4238, 94.0265

■ 5.6513, 12.5096,
1.9722

■ 150.7373,
207.7504, 121.9438

■ 2.6729, 7.0917,
0.5381

186.6984,
252.7666, 154.9030

■ 0.9832, 3.5195,
0.0000

227.9671,

■ 0.0000, 1.4086,

303.8568, 193.3227

0.0000

274.9090,
361.4055, 237.6213

■ 0.0000, 0.2231,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7603, 60.3256,
24.4057

■ 37.7603, 60.3256,
24.4057

■ 34.1262, 58.5794,
18.5687

■ 42.3868, 62.5501,
31.9586

■ 31.4078, 57.2694,
14.3095


■ 48.0663, 65.2761,
41.3433


■ 29.5245, 56.3593,
11.4757


■ 54.8598, 68.5346,
52.6699


■ 28.3795, 55.8032,
9.8826

■ 62.8223, 72.3518,
66.0391

 27.8905, 55.5645,
9.2550

 72.0051, 76.7520,
81.5445

 82.4568, 81.7585,
99.2738

 87.0346, 83.9693,
106.2282

Harmonies

Analogous

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



48.1816, 60.3256, 13.7736



37.7603, 60.3256, 24.4057



32.9299, 60.3256, 50.9877

Triad

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



37.7603, 60.3256, 24.4057



51.9457, 60.3256, 188.8479



90.0452, 60.3256, 41.6536

Complementary

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



37.7603, 60.3256, 24.4057



49.7070, 32.2850, 77.0138

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.



91.5455, 60.3256, 82.9641



37.7603, 60.3256, 24.4057



67.5860, 60.3256, 182.5249

Square

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



37.7603, 60.3256, 24.4057



40.0905, 60.3256, 152.7734



82.7268, 60.3256, 138.1012



78.9339, 60.3256, 20.2066

Rectangle

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



37.7603, 60.3256, 24.4057



32.8233, 60.3256, 80.0691



82.7268, 60.3256, 138.1012



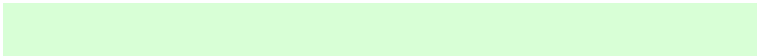
91.7565, 60.3256, 53.1346

Sweetspot

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



37.7618, 60.3281, 24.4070



76.3229, 91.0259, 77.2994



60.4403, 68.8793, 24.8623



15.8840, 19.2665, 15.7861



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.



37.7618, 60.3281, 24.4070



43.7311, 75.3805, 23.5299



40.6206, 61.3825, 43.4887



14.2567, 16.1239, 15.2653



16.1336, 32.0987, 5.3453



1.2163, 2.3844, 0.3961

Inverse Universe

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



49.7070, 32.2850, 77.0138



60.6609, 35.5187, 98.2664



45.4955, 30.8165, 45.0777



14.9189, 14.5760, 18.1715



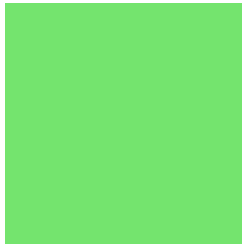
24.5404, 11.7170, 43.3513



1.8358, 0.8774, 3.2046

Previews

White Background



This preview shows how the XYZ color 37.7603, 60.3256, 24.4057 looks on a white background.

Color Contrast Check

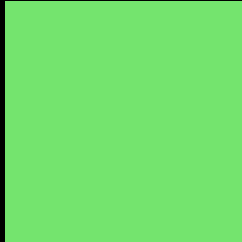
Large Text (above 18pt) WCAG AA × Fail

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 37.7603, 60.3256, 24.4057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

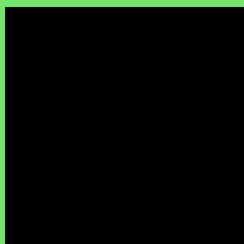
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7603, 60.3256, 24.4057

Background



This preview shows how black text looks on a background with the XYZ color 37.7603, 60.3256, 24.4057.

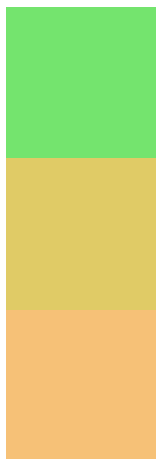


This preview shows how white text looks on a background with the XYZ color 37.7603, 60.3256,

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

37.7603, 60.3256, 24.4057

Protanopia

54.4947, 59.5185, 21.1864

Deuteranopia

60.4058, 59.0647, 25.6697



Tritanopia

49.8504, 60.0898, 85.3150

Trichromacy



Original Color

37.7603, 60.3256, 24.4057



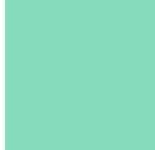
Protanomaly

46.1009, 58.4212, 22.2112



Deuteranomaly

48.7769, 57.5457, 25.0596



Tritanomaly

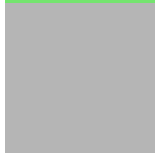
44.1860, 59.7228, 56.7758

Monochromacy



Original Color

37.7603, 60.3256, 24.4057



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

40.0151, 49.9228, 38.5374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7603, 60.3256, 24.4057 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, 228, 110)` looks like.

```
.text, #text, p{  
    color:rgb(116, 228, 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, 228, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 228, 110) }
```

Border

The CSS property to change the border of an element to XYZ 37.7603, 60.3256, 24.4057 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, 228, 110) }
```


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

```
.border{ border-color:rgb(116, 228, 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, 228, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 228, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 228, 110);  
box-shadow:4px 4px 4px 4px rgb(116, 228,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7603, 60.3256, 24.4057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 228, 110) }
```

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

```
.background{ background-color: rgb(116,  
228, 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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