

Converting Colors

XYZ(40.6293, 60.6414, 31.2123)

Have a look what the booklet for
XYZ(40.6293, 60.6414, 31.2123)
contains.

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Color

**XYZ(40.6532, 60.8567,
31.0766)**

Conversions

Conversions Part 1

Format	Color
Hex	83E283
RGB	131, 226, 131
RGB Percent	51%, 89%, 51%
CMY	0.4863, 0.1137, 0.4863
CMYK	0.42, 0.00, 0.42, 0.11
HSL	120°, 62%, 70%
HSV	120°, 42%, 89%
XYZ	40.6532, 60.8567, 31.0766
YIQ	186.7650, -26.1250, -49.6850

Conversions

Conversions Part 2

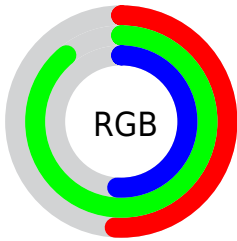
Format	Color
RYB	131, 226, 226
Decimal	8643203
CIELab	82.30, -46.99, 37.81
CIELCh	82, 60.311, 141.183
Yxy	60.8567, 0.3066, 0.4590
Android (android.graphics.Color)	4286833283 (0xFF83E283)
YUV	186.7650, -27.4921, -48.9059
Hunter-Lab	78.0107, -43.4982, 30.9885

Details

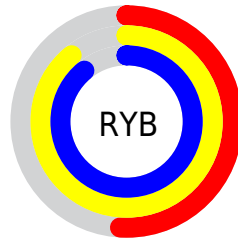
The XYZ color **40.6532, 60.8567, 31.0766** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **53.2097, 37.8935, 76.4634**, and the grayscale version is **47.2635, 49.7249, 54.1504**.

A 20% lighter version of the original color is **65.2560, 85.7141, 59.0041**, and **18.6467, 30.7845, 12.5486** is the 20% darker color. If you saturate the color by 10%, you get **36.1590, 58.6997, 23.7243**, and if you desaturate by 10%, it is **46.2480, 63.5460, 40.2267**.

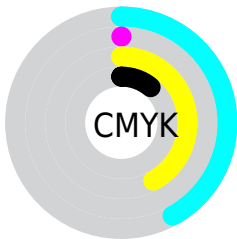
Distribution



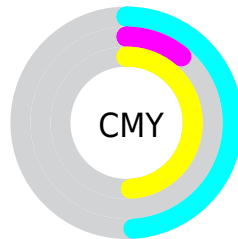
- Red (51%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (42%)
- Black (11%)



- Cyan (49%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6532, 60.8567, 31.0766 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 40.6532, 60.8567, 31.0766 by changing the saturation by 10% instead.

■ 40.6532, 60.8567,
31.0766

■ 40.6532, 60.8567,
31.0766

339.9565,
427.7484, 321.2532

■ 28.2347, 44.1095,
20.3982

■ 75.4352, 106.0714,
62.4416

■ 18.6440, 30.7566,
12.4979

■ 98.5294, 135.3078,
83.9654

■ 11.5158, 20.4136,
6.9571

■ 125.9128,
169.4759, 109.9414

■ 6.4847, 12.6960,
3.3572

157.9509,
208.9604, 140.7881

■ 3.1854, 7.2196,
1.2798

195.0089,
254.1454, 176.9241

■ 1.2526, 3.5998,
0.0452

237.4523,

■ 0.1473, 1.4523,

305.4155, 218.7679

0.0000

285.6464,
363.1550, 266.7381

■ 0.0000, 0.2548,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6532, 60.8567,
31.0766

■ 40.6532, 60.8567,
31.0766

■ 36.1590, 58.6997,
23.7243

■ 46.2480, 63.5460,
40.2267

■ 32.6887, 57.0328,
18.0480


■ 53.0043, 66.7914,
51.2780


■ 30.1631, 55.8196,
13.9168


■ 60.9843, 70.6246,
64.3307

■ 28.4894, 55.0157,
11.1792

■ 70.2441, 75.0726,
79.4767

 27.5562, 54.5674,
9.6526

 80.8366, 80.1607,
96.8025

 27.1976, 54.3951,
9.0659

 86.4876, 82.8751,
106.0459

Harmonies

Analogous

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



49.3686, 60.8567, 19.7689



40.6532, 60.8567, 31.0766



36.7069, 60.8567, 56.0002

Triad

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



40.6532, 60.8567, 31.0766



54.1384, 60.8567, 163.6259



84.0651, 60.8567, 43.8478

Complementary

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



40.6532, 60.8567, 31.0766



53.2097, 37.8935, 76.4634

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.



85.8442, 60.8567, 77.7079



40.6532, 60.8567, 31.0766



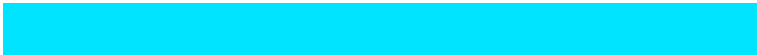
67.2344, 60.8567, 156.5266

Square

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



40.6532, 60.8567, 31.0766



43.7001, 60.8567, 138.0712



79.3003, 60.8567, 121.2300



74.7477, 60.8567, 25.0162

Rectangle

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



40.6532, 60.8567, 31.0766



36.8378, 60.8567, 80.9498



79.3003, 60.8567, 121.2300



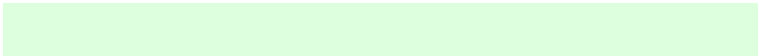
85.6141, 60.8567, 53.4689

Sweetspot

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



40.6547, 60.8593, 31.0780



79.0031, 92.2918, 82.6524



62.6598, 72.2033, 32.1073



16.3887, 19.5039, 16.8385



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.



40.6547, 60.8593, 31.0780



48.4506, 77.6159, 32.6784



44.6443, 62.4551, 52.0867



13.5288, 15.3373, 14.5542



15.5155, 31.0311, 5.1719



1.0755, 2.1509, 0.3585

Inverse Universe

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



53.2097, 37.8935, 76.4634



66.9438, 43.7881, 99.5298



47.5683, 35.6370, 46.7562



14.2951, 13.9357, 17.3241



25.7245, 12.3568, 42.0763



1.7831, 0.8565, 2.9165

Previews

White Background



This preview shows how the XYZ color 40.6532, 60.8567, 31.0766 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 40.6532, 60.8567, 31.0766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

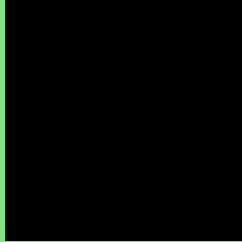
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6532, 60.8567, 31.0766

Background



This preview shows how black text looks on a background with the XYZ color 40.6532, 60.8567, 31.0766.

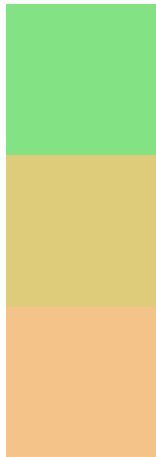


This preview shows how white text looks on a background with the XYZ color 40.6532, 60.8567,

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

40.6532, 60.8567, 31.0766

Protanopia

55.5371, 60.2788, 27.1202

Deuteranopia

61.0647, 59.9199, 32.3920



Tritanopia

51.2329, 60.4420, 84.5675

Trichromacy



Original Color

40.6532, 60.8567, 31.0766



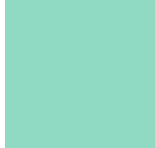
Protanomaly

48.4804, 59.5148, 28.3344



Deuteranomaly

50.8016, 58.4484, 31.5258



Tritanomaly

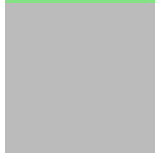
46.4233, 60.0122, 60.7665

Monochromacy



Original Color

40.6532, 60.8567, 31.0766



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

43.7980, 52.7788, 44.4381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6532, 60.8567, 31.0766 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(131, 226, 131)` looks like.

```
.text, #text, p{  
    color:rgb(131, 226, 131)  
}
```

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(131, 226, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 226, 131) }
```

Border

The CSS property to change the border of an element to XYZ 40.6532, 60.8567, 31.0766 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(131, 226, 131) }
```


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

```
.border{ border-color:rgb(131, 226, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 226, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 226, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 226, 131);  
box-shadow:4px 4px 4px 4px rgb(131, 226,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6532, 60.8567, 31.0766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 226, 131) }
```

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

```
.background{ background-color: rgb(131,  
226, 131) }
```

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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