

Converting Colors

XYZ(33.5771, 40.1777, 26.0642)

Have a look what the booklet for
XYZ(33.5771, 40.1777, 26.0642)
contains.

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Color

**XYZ(33.6535, 40.2457,
26.0731)**

Conversions

Conversions Part 1

Format	Color
Hex	9EB17F
RGB	158, 177, 127
RGB Percent	62%, 69%, 50%
CMY	0.3804, 0.3059, 0.5020
CMYK	0.11, 0.00, 0.28, 0.31
HSL	83°, 24%, 60%
HSV	83°, 28%, 69%
XYZ	33.6535, 40.2457, 26.0731
YIQ	165.6190, 4.7260, -19.5780

Conversions

Conversions Part 2

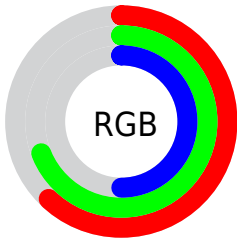
Format	Color
RYB	127, 177, 146
Decimal	10400127
CIELab	69.64, -15.43, 23.47
CIELCh	70, 28.085, 123.326
Yxy	40.2457, 0.3366, 0.4026
Android (android.graphics.Color)	4288590207 (0xFF9EB17F)
YUV	165.6190, -19.0392, -6.6819
Hunter-Lab	63.4395, -16.3281, 20.0400

Details

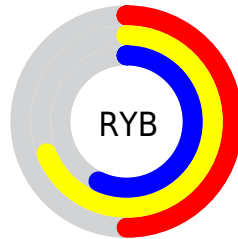
The XYZ color **33.6535, 40.2457, 26.0731** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.3808, 24.4651, 44.8763**, and the grayscale version is **36.1499, 38.0325, 41.4174**.

A 20% lighter version of the original color is **64.8177, 75.7192, 54.3790**, and **14.4911, 18.0153, 9.7347** is the 20% darker color. If you saturate the color by 10%, you get **31.3129, 39.1621, 20.4618**, and if you desaturate by 10%, it is **36.2713, 41.4513, 32.7569**.

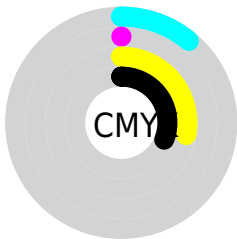
Distribution



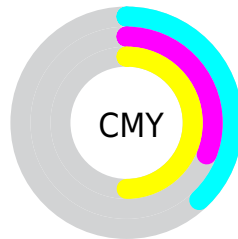
- Red (62%)
- Green (69%)
- Blue (50%)



- Red (50%)
- Yellow (69%)
- Blue (57%)



- Cyan (11%)
- Magenta (0%)
- Yellow (28%)
- Black (31%)



- Cyan (38%)
- Magenta (31%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6535, 40.2457, 26.0731 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 33.6535, 40.2457, 26.0731 by changing the saturation by 10% instead.

■ 33.6535, 40.2457,
26.0731

■ 33.6535, 40.2457,
26.0731

310.1974,
347.1581, 296.7576

■ 22.7892, 27.7302,
16.6521

■ 64.7423, 75.5375,
54.3784

■ 14.5577, 18.1224,
9.8274

■ 85.6976, 99.0826,
74.0997

■ 8.5939, 11.0379,
5.1806

■ 110.7471,
127.0729, 98.0916

■ 4.5322, 6.0923,
2.2930

140.2564,
159.8930, 126.7725

■ 2.0074, 2.9013,
0.7273

174.5907,
197.9271, 160.5610

■ 0.6381, 1.0804,
0.0000

214.1154,

■ 0.0000, 0.0000,

241.5598, 199.8757

0.0000

259.1958,
291.1753, 245.1351

■ 33.6535, 40.2457,
26.0731

■ 33.6535, 40.2457,
26.0731

■ 31.3129, 39.1621,
20.4618

■ 36.2713, 41.4513,
32.7569

■ 29.2346, 38.1903,
15.8646

■ 39.1742, 42.7780,
40.5625

■ 27.4071, 37.3269,
12.2213

■ 42.3735, 44.2319,
49.5393

■ 25.8161, 36.5661,
9.4644

■ 45.8789, 45.8170,
59.7327

■ 24.4461, 35.9015,
7.5175

■ 49.6997, 47.5372,
71.1860

■ 23.2787, 35.3256,
6.2914

■ 53.8446, 49.3960,
83.9402

■ 22.2844, 34.8265,
5.6367

■ 58.3222, 51.3969,
98.0346

■ 22.1203, 34.7439,
5.5404

■ 60.8716, 52.6358,
101.5592

■ 62.8494, 53.6554,
101.6517

Harmonies

Analogous

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



37.7481, 40.2457, 23.2990



33.6535, 40.2457, 26.0731



30.9693, 40.2457, 33.5274

Triad

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



33.6535, 40.2457, 26.0731



34.4654, 40.2457, 70.1754



47.6468, 40.2457, 42.3861

Complementary

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



33.6535, 40.2457, 26.0731



27.3808, 24.4651, 44.8763

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.



46.5960, 40.2457, 56.0308



33.6535, 40.2457, 26.0731



38.7611, 40.2457, 73.8215

Square

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



33.6535, 40.2457, 26.0731



31.4114, 40.2457, 59.0430



43.2521, 40.2457, 68.2086



46.0207, 40.2457, 31.4693

Rectangle

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



33.6535, 40.2457, 26.0731



30.2197, 40.2457, 40.9785



43.2521, 40.2457, 68.2086



47.5954, 40.2457, 46.7914

Sweetspot

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



33.6545, 40.2475, 26.0740



70.2177, 76.6381, 72.8118



32.1401, 31.2336, 24.4139



15.0432, 16.5293, 15.3021



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.6545, 40.2475, 26.0740



57.5600, 70.8234, 40.1152



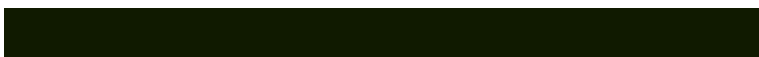
29.3326, 38.0194, 25.8717



8.8779, 9.7421, 9.0650



16.0952, 25.2075, 4.0172



0.5688, 0.8253, 0.1293

Inverse Universe

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



27.3808, 24.4651, 44.8763



44.4406, 37.8088, 79.4509



32.1764, 26.9373, 45.1007



8.3371, 8.3823, 10.6849



7.5033, 3.2039, 30.3599



0.3022, 0.1349, 0.9583

Previews

White Background



This preview shows how the XYZ color 33.6535, 40.2457, 26.0731 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 33.6535, 40.2457, 26.0731 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

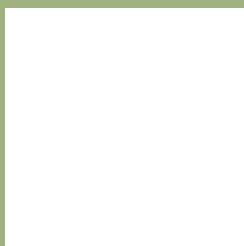
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6535, 40.2457, 26.0731

Background



This preview shows how black text looks on a background with the XYZ color 33.6535, 40.2457, 26.0731.



This preview shows how white text looks on a background with the XYZ color 33.6535, 40.2457,

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

33.6535, 40.2457, 26.0731

Protanopia

37.5413, 40.2720, 24.8634

Deuteranopia

40.9459, 40.0855, 26.6983



Tritanopia

38.6479, 40.2753, 50.5367

Trichromacy



Original Color

33.6535, 40.2457, 26.0731

Protanomaly

36.1008, 40.3665, 25.2908

Deuteranomaly

37.9727, 39.9045, 26.4698

Tritanomaly

36.6587, 40.3180, 40.5004

Monochromacy



Original Color

33.6535, 40.2457, 26.0731

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.1465, 38.8030, 35.3431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6535, 40.2457, 26.0731 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(158, 177, 127)` looks like.

```
.text, #text, p{  
    color:rgb(158, 177, 127)  
}
```

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(158, 177, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 177, 127) }
```

Border

The CSS property to change the border of an element to XYZ 33.6535, 40.2457, 26.0731 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(158, 177, 127) }
```


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

```
.border{ border-color:rgb(158, 177, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 177, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 177, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 177, 127);  
box-shadow:4px 4px 4px 4px rgb(158, 177,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6535, 40.2457, 26.0731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 177, 127) }
```

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

```
.background{ background-color: rgb(158,  
177, 127) }
```

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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