

Converting Colors

XYZ(24.8843, 35.2440, 27.5615)

Have a look what the booklet for
XYZ(24.8843, 35.2440, 27.5615)
contains.

XYZ(25.0145, 35.4534, 27.7151)	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(25.0145, 35.4534,
27.7151)**

Conversions

Conversions Part 1

Format	Color
Hex	64B085
RGB	100, 176, 133
RGB Percent	39%, 69%, 52%
CMY	0.6078, 0.3098, 0.4784
CMYK	0.43, 0.00, 0.24, 0.31
HSL	146°, 32%, 54%
HSV	146°, 43%, 69%
XYZ	25.0145, 35.4534, 27.7151
YIQ	148.3740, -31.4930, -29.4850

Conversions

Conversions Part 2

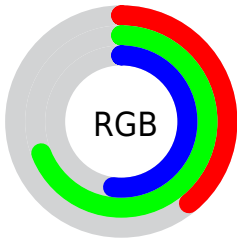
Format	Color
RYB	100, 153, 176
Decimal	6598789
CIELab	66.10, -33.46, 14.80
CIELCh	66, 36.587, 156.136
Yxy	35.4534, 0.2837, 0.4020
Android (android.graphics.Color)	4284788869 (0xFF64B085)
YUV	148.3740, -7.5794, -42.4240
Hunter-Lab	59.5428, -29.2102, 14.0825

Details

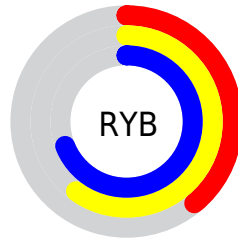
The XYZ color **25.0145, 35.4534, 27.7151** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.4208, 20.3285, 28.4665**, and the grayscale version is **28.3454, 29.8216, 32.4757**.

A 20% lighter version of the original color is **51.0460, 68.1284, 56.9141**, and **9.7710, 15.3713, 10.6356** is the 20% darker color. If you saturate the color by 10%, you get **22.6185, 34.2950, 24.1806**, and if you desaturate by 10%, it is **27.8981, 36.8576, 31.6145**.

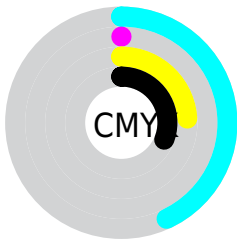
Distribution



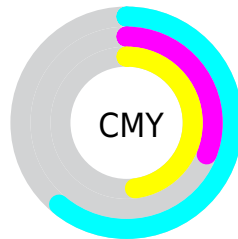
- Red (39%)
- Green (69%)
- Blue (52%)



- Red (39%)
- Yellow (60%)
- Blue (69%)



- Cyan (43%)
- Magenta (0%)
- Yellow (24%)
- Black (31%)





- Cyan (61%)
- Magenta (31%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0145, 35.4534, 27.7151 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 25.0145, 35.4534, 27.7151 by changing the saturation by 10% instead.


 25.0145, 35.4534,
27.7151


 25.0145, 35.4534,
27.7151


270.2565,
326.5651, 304.9720


 16.2166, 24.0123,
17.8738


 51.1235, 68.1876,
57.0469

 9.7694, 15.3428,
10.6909


 69.1653, 90.2495,
77.3745

 5.3074, 9.0603,
5.7479


 91.0192, 116.6204,
102.0346

 2.4653, 4.7805,
2.6261

 117.0504,
147.6849, 131.4458

 0.8778, 2.1191,
0.9059

147.6244,
183.8271, 166.0266

 0.0000, 0.6753,
0.0000

183.1065,

 0.0000, 0.0000,

225.4317, 206.1955

0.0000

223.8621,
272.8829, 252.3712

■ 25.0145, 35.4534,
27.7151

■ 25.0145, 35.4534,
27.7151

■ 22.6185, 34.2950,
24.1806

■ 27.8981, 36.8576,
31.6145

■ 20.6782, 33.3631,
20.9978

■ 31.2933, 38.5168,
35.8867

■ 19.1621, 32.6429,
18.1561


■ 35.2254, 40.4450,
40.5424


■ 18.0331, 32.1153,
15.6435


■ 39.7177, 42.6537,
45.5910


■ 17.2470, 31.7579,
13.4471


■ 44.7916, 45.1540,
51.0417

 16.8451, 31.5796,
12.1220

 50.4676, 47.9563,
56.9033

 56.7652, 51.0703,
63.1843

 63.7030, 54.5055,
69.8930

 70.0349, 57.6195,
76.9784

Harmonies

Analogous

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



27.9021, 35.4534, 19.1236



25.0145, 35.4534, 27.7151



24.3372, 35.4534, 41.8914

Triad

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



25.0145, 35.4534, 27.7151



34.8270, 35.4534, 76.6674



42.8628, 35.4534, 23.5050

Complementary

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



25.0145, 35.4534, 27.7151



27.4208, 20.3285, 28.4665

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.



45.1940, 35.4534, 35.4908



25.0145, 35.4534, 27.7151



40.2442, 35.4534, 68.1743

Square

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



25.0145, 35.4534, 27.7151



29.6434, 35.4534, 72.9566



44.1877, 35.4534, 52.0229



38.1051, 35.4534, 17.1896

Rectangle

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



25.0145, 35.4534, 27.7151



25.1584, 35.4534, 53.3464



44.1877, 35.4534, 52.0229



43.9782, 35.4534, 26.8615

Sweetspot

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



25.0154, 35.4549, 27.7159



63.8499, 73.3338, 73.4874



29.1660, 37.8179, 17.8194



13.4844, 15.7194, 15.5167



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.



25.0154, 35.4549, 27.7159



41.1278, 62.2488, 44.0194



28.1263, 36.6992, 44.0976



8.5371, 9.5493, 9.8219



12.3874, 23.1809, 9.0429



0.4192, 0.7412, 0.4398

Inverse Universe

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



27.4208, 20.3285, 28.4665



46.0701, 31.1284, 45.5328



25.0159, 19.3665, 15.8027



8.6910, 8.5831, 9.8712



14.8395, 7.4534, 9.5810



0.4955, 0.2460, 0.4522

Previews

White Background



This preview shows how the XYZ color 25.0145, 35.4534, 27.7151 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 25.0145, 35.4534, 27.7151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

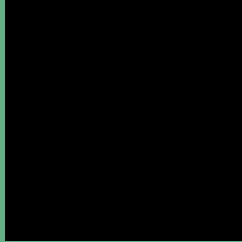
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.0145, 35.4534, 27.7151

Background



This preview shows how black text looks on a background with the XYZ color 25.0145, 35.4534, 27.7151.



This preview shows how white text looks on a background with the XYZ color 25.0145, 35.4534,

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

25.0145, 35.4534, 27.7151

Protanopia

32.8500, 35.1683, 24.4588

Deuteranopia

35.6715, 35.0135, 28.9229



Tritanopia

29.4173, 35.2396, 50.0512

Trichromacy



Original Color

25.0145, 35.4534, 27.7151

Protanomaly

29.2096, 34.8507, 25.6094

Deuteranomaly

30.5011, 34.3905, 28.3230

Tritanomaly

27.7284, 35.4098, 40.9706

Monochromacy



Original Color

25.0145, 35.4534, 27.7151

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.5449, 31.2622, 30.6217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0145, 35.4534, 27.7151 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(100, 176, 133)` looks like.

```
.text, #text, p{  
    color:rgb(100, 176, 133)  
}
```

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(100, 176, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 176, 133) }
```

Border

The CSS property to change the border of an element to XYZ 25.0145, 35.4534, 27.7151 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(100, 176, 133) }
```


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

```
.border{ border-color:rgb(100, 176, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 176, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 176, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 176, 133); box-shadow:4px 4px 4px 4px rgb(100, 176, 133) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0145, 35.4534, 27.7151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 176, 133) }
```

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

```
.background{ background-color: rgb(100,  
176, 133) }
```

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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