

Converting Colors

XYZ(80.4011, 91.3615, 40.3271)

Have a look what the booklet for
XYZ(80.4011, 91.3615, 40.3271)
contains.

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Color

**XYZ(80.2265, 91.0557,
40.1352)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF991
RGB	255, 249, 145
RGB Percent	100%, 98%, 57%
CMY	0.0000, 0.0235, 0.4314
CMYK	0.00, 0.02, 0.43, 0.00
HSL	57°, 100%, 78%
HSV	57°, 43%, 100%
XYZ	80.2265, 91.0557, 40.1352
YIQ	238.9380, 36.9600, -31.0720

Conversions

Conversions Part 2

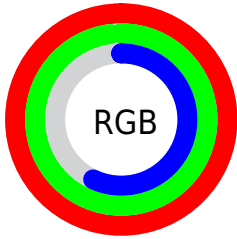
Format	Color
R _Y B	151, 255, 145
Decimal	16775569
CIE Lab	96.43, -12.09, 50.45
CIE LCh	96, 51.879, 103.481
Yxy	91.0557, 0.3795, 0.4307
Android (android.graphics.Color)	4294965649 (0xFFFFFFFF991)
YUV	238.9380, -46.3114, 14.0864
Hunter-Lab	95.4231, -16.9175, 41.8587

Details

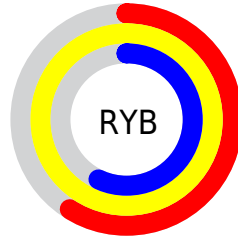
The XYZ color **80.2265, 91.0557, 40.1352** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.7935, 35.3719, 99.2849**, and the grayscale version is **82.3268, 86.6142, 94.3229**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **44.0277, 50.7830, 17.6068** is the 20% darker color. If you saturate the color by 10%, you get **78.0499, 89.5037, 30.7739**, and if you desaturate by 10%, it is **82.8521, 92.7989, 51.8254**.

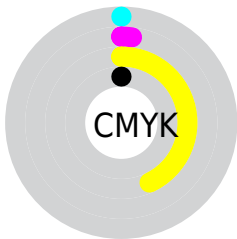
Distribution



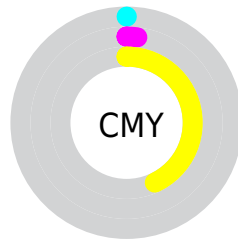
- Red (100%)
- Green (98%)
- Blue (57%)



- Red (59%)
- Yellow (100%)
- Blue (57%)



- Cyan (0%)
- Magenta (2%)
- Yellow (43%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2265, 91.0557, 40.1352 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 80.2265, 91.0557, 40.1352 by changing the saturation by 10% instead.


 80.2265, 91.0557,
40.1352


 80.2265, 91.0557,
40.1352


484.4207,
531.4590, 362.2621

 60.2139, 68.8566,
27.3294


 132.6330,
148.8039, 76.6087

 43.8412, 50.5949,
17.5861


 165.7575,
185.1218, 101.1134

 30.7430, 35.8863,
10.4869


203.9835,
226.9148, 130.3549

 20.5541, 24.3464,
5.6132

247.6761,
274.5672, 164.7517

 12.9091, 15.5908,
2.5464

297.2008,
328.4634, 204.7222

 7.4425, 9.2351,
0.8646

352.9229,

 3.7891, 4.8948,

388.9879, 250.6851

0.0000

415.2077,
456.5249, 303.0589

■ 1.5835, 2.1857,
0.0000

■ 0.3817, 0.7122,
0.0000

■ 80.2265, 91.0557,
40.1352

■ 80.2265, 91.0557,
40.1352

■ 78.0499, 89.5037,
30.7739

■ 82.8521, 92.7989,
51.8254

■ 76.2856, 88.1185,
23.5783

■ 85.9471, 94.7317,
65.9815

■ 74.9023, 86.8907,
18.3735

■ 89.5386, 96.8682,
82.7367

■ 73.8612, 85.8049,
14.9549

■ 93.6499, 99.2177,
102.2131

■ 73.1151, 84.8420, 95.0499, 99.9999,
13.0738 108.9000

■ 72.7267, 84.2335,
12.4256

Harmonies

Analogous

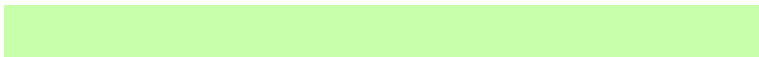
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6912, 91.0557, 40.7357



80.2265, 91.0557, 40.1352



68.7945, 91.0557, 51.8766

Triad

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



80.2265, 91.0557, 40.1352



67.9045, 91.0557, 164.6243



116.0208, 91.0557, 123.5423

Complementary

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



80.2265, 91.0557, 40.1352



40.7935, 35.3719, 99.2849

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.



107.1146, 91.0557, 168.8431



80.2265, 91.0557, 40.1352



78.8813, 91.0557, 196.7136

Square

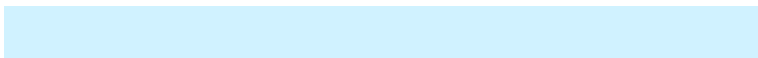
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2265, 91.0557, 40.1352



62.2336, 91.0557, 118.8830



93.1883, 91.0557, 198.4428



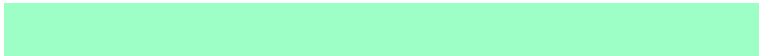
116.4850, 91.0557, 81.7209

Rectangle

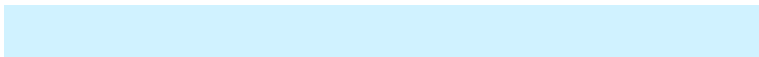
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2265, 91.0557, 40.1352



63.9822, 91.0557, 67.6815



93.1883, 91.0557, 198.4428



113.8736, 91.0557, 139.1003

Sweetspot

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



80.2287, 91.0599, 40.1371



89.5912, 96.8989, 82.9833



57.0608, 43.7897, 35.2951



18.9968, 20.6354, 16.9193



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.



80.2287, 91.0599, 40.1371



78.2761, 89.6719, 31.7254



66.6967, 86.8779, 40.0431



19.4715, 20.9111, 19.1543



38.0381, 44.0874, 6.5049



3.7285, 4.3424, 0.6417

Inverse Universe

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



40.7935, 35.3719, 99.2849



34.0656, 27.2524, 98.0725



50.0837, 38.7656, 99.4503



17.0824, 17.5364, 22.7345



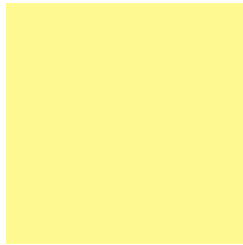
9.5446, 3.9989, 49.7034



0.9560, 0.4427, 4.8483

Previews

White Background



This preview shows how the XYZ color 80.2265, 91.0557, 40.1352 looks on a white background.

Color Contrast Check

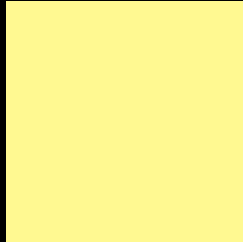
Large Text (above 18pt) WCAG AA × Fail

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 80.2265, 91.0557, 40.1352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

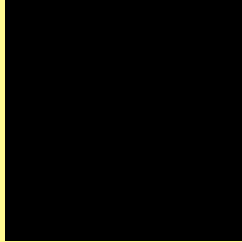
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2265, 91.0557, 40.1352

Background



This preview shows how black text looks on a background with the XYZ color 80.2265, 91.0557, 40.1352.

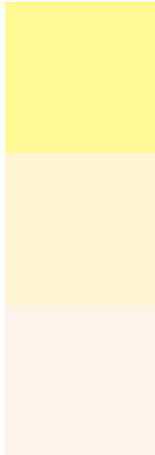


This preview shows how white text looks on a background with the XYZ color 80.2265, 91.0557,

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

80.2265, 91.0557, 40.1352

Protanopia

85.4010, 91.1683, 73.4177

Deuteranopia

87.7144, 91.1307, 88.5682



Tritanopia

89.7942, 91.0101, 102.4566

Trichromacy



Original Color

80.2265, 91.0557, 40.1352



Protanomaly

83.0587, 90.7167, 59.5868



Deuteranomaly

84.3177, 90.7349, 67.7132



Tritanomaly

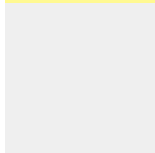
85.3486, 90.6645, 74.6297

Monochromacy



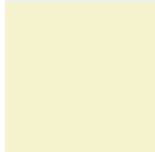
Original Color

80.2265, 91.0557, 40.1352



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.7262, 87.9214, 70.4734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2265, 91.0557, 40.1352 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(255, 249, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 145)  
}
```

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(255, 249, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 145) }
```

Border

The CSS property to change the border of an element to XYZ 80.2265, 91.0557, 40.1352 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(255, 249, 145) }
```


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

```
.border{ border-color:rgb(255, 249, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2265, 91.0557, 40.1352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 145) }
```

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

```
.background{ background-color: rgb(255,  
249, 145) }
```

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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