

Converting Colors

XYZ(95.5584, 100.0000,
38.0617)

Have a look what the booklet for
XYZ(95.5584, 100.0000, 38.0617)
contains.

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Color

**XYZ(80.2525, 92.0605,
37.2066)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFB89
RGB	255, 251, 137
RGB Percent	100%, 98%, 54%
CMY	0.0000, 0.0157, 0.4627
CMYK	0.00, 0.02, 0.46, 0.00
HSL	58°, 100%, 77%
HSV	58°, 46%, 100%
XYZ	80.2525, 92.0605, 37.2066
YIQ	239.2000, 38.9780, -34.6060

Conversions

Conversions Part 2

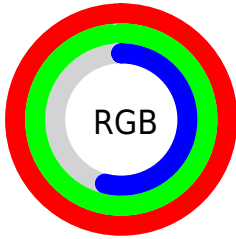
Format	Color
R_{YB}	141, 255, 137
Decimal	16776073
CIE _{Lab}	96.85, -13.82, 54.74
CIE _{LCh}	97, 56.453, 104.170
Yxy	92.0605, 0.3830, 0.4394
Android (android.graphics.Color)	4294966153 (0xFFFFFB89)
YUV	239.2000, -50.3846, 13.8566
Hunter-Lab	95.9482, -18.6092, 44.1723

Details

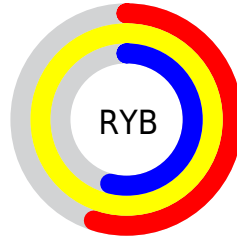
The XYZ color **80.2525, 92.0605, 37.2066** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.8913, 31.5872, 98.7073**, and the grayscale version is **82.5609, 86.8605, 94.5911**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **43.8803, 51.4061, 15.9971** is the 20% darker color. If you saturate the color by 10%, you get **78.3672, 90.8794, 28.5957**, and if you desaturate by 10%, it is **82.5757, 93.4254, 48.0981**.

Distribution



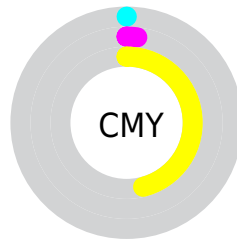
- Red (100%)
- Green (98%)
- Blue (54%)



- Red (55%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (2%)
- Yellow (46%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2525, 92.0605, 37.2066 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 80.2525, 92.0605, 37.2066 by changing the saturation by 10% instead.


 80.2525, 92.0605,
37.2066

 80.2525, 92.0605,
37.2066


484.5070,
534.7110, 349.3997


 60.2353, 69.6909,
25.0705


 132.6693,
150.1972, 72.0803

 43.8585, 51.2746,
15.9101


 165.7997,
186.7332, 95.6549

 30.7567, 36.4272,
9.3069


 204.0319,
228.7599, 123.8795

 20.5646, 24.7643,
4.8423

247.7312,
276.6620, 157.1725

 12.9168, 15.9015,
2.0979

297.2630,
330.8238, 195.9524

 7.4479, 9.4545,
0.6145

352.9927,

 3.7925, 5.0388,

391.6296, 240.6379

0.0000

415.2855,
459.4639, 291.6475

■ 1.5854, 2.2700,
0.0000

■ 0.3829, 0.7578,
0.0000

■ 80.2525, 92.0605,
37.2066

■ 80.2525, 92.0605,
37.2066

■ 78.3672, 90.8794,
28.5957

■ 82.5757, 93.4254,
48.0981

■ 76.8823, 89.8570,
22.0968

■ 85.3582, 94.9727,
61.4114

■ 75.7649, 88.9837,
17.5274

■ 88.6276, 96.7167,
77.2831

■ 74.9741, 88.2429,
14.6714

■ 92.4077, 98.6670,
95.8379

■ 74.4587, 87.6142, 95.0499, 99.9999,
13.2597 108.9000

■ 74.3085, 87.3972,
12.9529

Harmonies

Analogous

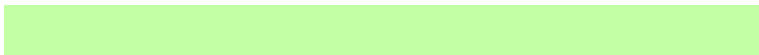
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0777, 92.0605, 37.5457



80.2525, 92.0605, 37.2066



67.9423, 92.0605, 49.7740

Triad

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



80.2525, 92.0605, 37.2066



67.4162, 92.0605, 174.1568



120.2070, 92.0605, 125.9742

Complementary

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



80.2525, 92.0605, 37.2066



37.8913, 31.5872, 98.7073

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.



110.4928, 92.0605, 176.7540



80.2525, 92.0605, 37.2066



79.4500, 92.0605, 209.7985

Square

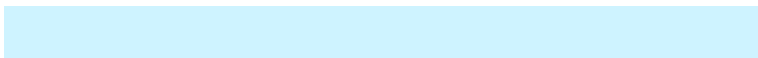
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2525, 92.0605, 37.2066



61.1602, 92.0605, 123.1508



95.1728, 92.0605, 210.8713



120.4897, 92.0605, 80.3599

Rectangle

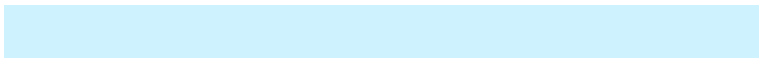
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2525, 92.0605, 37.2066



62.8428, 92.0605, 66.8243



95.1728, 92.0605, 210.8713



117.8883, 92.0605, 143.2649

Sweetspot

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



80.2547, 92.0647, 37.2085



89.4415, 97.1419, 81.2613



55.1365, 41.1324, 30.9814



18.9787, 20.7060, 16.5844



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.



80.2547, 92.0647, 37.2085



78.4136, 90.9099, 28.8022



64.6059, 85.8688, 36.8374



19.5054, 20.9790, 19.1656



38.8514, 45.7141, 6.7760



3.7987, 4.4828, 0.6650

Inverse Universe

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



37.8913, 31.5872, 98.7073



31.1226, 23.4080, 97.4856



48.2566, 36.0724, 99.0267



17.0523, 17.4762, 22.7244



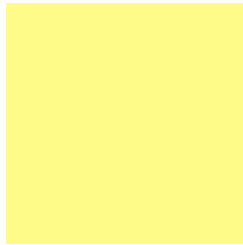
9.5018, 3.9131, 49.6891



0.9417, 0.4142, 4.8436

Previews

White Background



This preview shows how the XYZ color 80.2525, 92.0605, 37.2066 looks on a white background.

Color Contrast Check

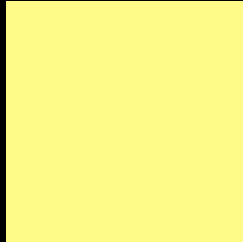
Large Text (above 18pt) WCAG AA × Fail

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 80.2525, 92.0605, 37.2066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

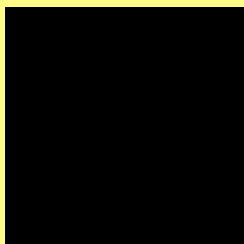
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.2525, 92.0605, 37.2066

Background



This preview shows how black text looks on a background with the XYZ color 80.2525, 92.0605, 37.2066.

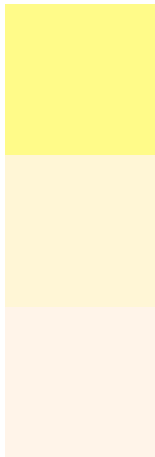


This preview shows how white text looks on a background with the XYZ color 80.2525, 92.0605,

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

80.2525, 92.0605, 37.2066

Protanopia

86.3334, 92.0266, 76.8310

Deuteranopia

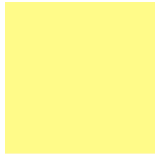
88.2987, 91.8446, 90.1647



Tritanopia

90.2474, 91.6664, 103.3793

Trichromacy



Original Color

80.2525, 92.0605, 37.2066



Protanomaly

83.6703, 91.9400, 59.7907



Deuteranomaly

84.6938, 91.8587, 66.6928



Tritanomaly

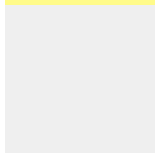
85.4010, 91.1683, 73.4177

Monochromacy



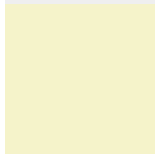
Original Color

80.2525, 92.0605, 37.2066



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.3675, 87.7779, 68.5841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2525, 92.0605, 37.2066 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, 251, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 137)  
}
```

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, 251, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 137) }
```

Border

The CSS property to change the border of an element to XYZ 80.2525, 92.0605, 37.2066 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, 251, 137) }
```


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

```
.border{ border-color:rgb(255, 251, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2525, 92.0605, 37.2066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 137) }
```

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

```
.background{ background-color: rgb(255,  
251, 137) }
```

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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