

Converting Colors

XYZ(76.9326, 92.3982, 14.5888)

Have a look what the booklet for
XYZ(76.9326, 92.3982, 14.5888)
contains.

XYZ(76.8365, 92.2055, 14.5583)	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(76.8365, 92.2055,
14.5583)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFE17
RGB	255, 254, 23
RGB Percent	100%, 100%, 9%
CMY	0.0000, 0.0039, 0.9097
CMYK	0.00, 0.00, 0.91, 0.00
HSL	60°, 100%, 55%
HSV	60°, 91%, 100%
XYZ	76.8365, 92.2055, 14.5583
YIQ	227.9650, 74.7470, -71.6290

Conversions

Conversions Part 2

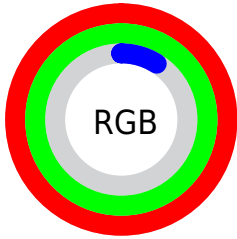
Format	Color
R _Y B	24, 255, 23
Decimal	16776727
CIE Lab	96.90, -20.88, 92.39
CIE LCh	97, 94.722, 102.733
Yxy	92.2055, 0.4185, 0.5022
Android (android.graphics.Color)	4294966807 (0xFFFFFE17)
YUV	227.9650, -101.0477, 23.7097
Hunter-Lab	96.0237, -25.2089, 58.2275

Details

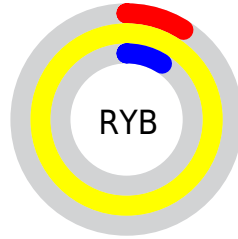
The XYZ color **76.8365, 92.2055, 14.5583** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **18.7306, 8.0562, 95.1749**, and the grayscale version is **74.3989, 78.2735, 85.2398**.

A 20% lighter version of the original color is **79.3983, 93.7393, 26.4791**, and **42.4422, 51.8575, 7.7726** is the 20% darker color. If you saturate the color by 10%, you get **76.6525, 92.0854, 13.7342**, and if you desaturate by 10%, it is **77.2627, 92.4349, 16.6226**.

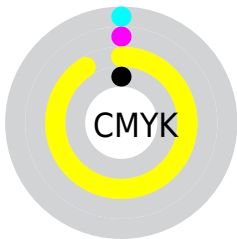
Distribution



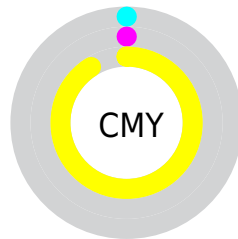
- Red (100%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (9%)



- Cyan (0%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8365, 92.2055, 14.5583 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 76.8365, 92.2055, 14.5583 by changing the saturation by 10% instead.

76.8365, 92.2055,
14.5583

76.8365, 92.2055,
14.5583

473.1069,
535.1794, 232.2249

57.4181, 69.8113,
8.3668

127.8827,
150.3982, 34.8077

41.5825, 51.3727,
4.2394

160.2413,
186.9655, 49.7027

28.9642, 36.5053,
1.7576

197.6440,
229.0259, 68.3359

19.1979, 24.8247,
0.3998

240.4562,
276.9639, 91.1260

11.9182, 15.9465,
0.0000

289.0432,
331.1639, 118.4913

6.7598, 9.4863,
0.0000

343.7705,

3.3573, 5.0597,

392.0102, 150.8506

0.0000

405.0032,
459.8873, 188.6223

■ 1.3454, 2.2823,
0.0000

■ 0.2168, 0.7643,
0.0000

■ 76.8365, 92.2055,
14.5583

■ 76.8365, 92.2055,
14.5583

■ 76.6525, 92.0854,
13.7342

■ 77.2627, 92.4349,
16.6226

■ 77.9897, 92.7811,
20.2803

■ 79.0648, 93.2666,
25.7705

■ 80.5254, 93.9063,
33.2907

■ 82.4041, 94.7134,
43.0129

■ 84.7303, 95.6994,
55.0912

■ 87.5305, 96.8751,
69.6655

■ 90.8293, 98.2502,
86.8650

94.6494, 99.8339,
106.8099

Harmonies

Analogous

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



103.7227, 92.2055, 15.4024



76.8365, 92.2055, 14.5583



57.2976, 92.2055, 26.6381

Triad

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



76.8365, 92.2055, 14.5583



55.1681, 92.2055, 236.3001



146.1514, 92.2055, 150.4839

Complementary

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



76.8365, 92.2055, 14.5583



18.7306, 8.0562, 95.1749

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.



127.1525, 92.2055, 251.1062



76.8365, 92.2055, 14.5583



73.3096, 92.2055, 315.4522

Square

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



76.8365, 92.2055, 14.5583



46.6002, 92.2055, 136.2866



99.4084, 92.2055, 321.9340



147.6299, 92.2055, 71.4344

Rectangle

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



76.8365, 92.2055, 14.5583



49.5673, 92.2055, 47.1085



99.4084, 92.2055, 321.9340



141.4494, 92.2055, 183.6203

Sweetspot

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



76.8386, 92.2098, 14.5602



85.7850, 96.1438, 60.5743



41.7431, 21.9521, 3.0672



18.1666, 20.4967, 11.9515



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.



76.8386, 92.2098, 14.5602



76.6530, 92.0860, 13.7343



47.2209, 77.4101, 13.2646



19.5542, 21.0766, 19.1819



40.0559, 48.1231, 7.1775



3.9022, 4.6897, 0.6995

Inverse Universe

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



18.7306, 8.0562, 95.1749



18.0618, 7.2437, 95.0539



28.3715, 12.9964, 95.6203



17.0093, 17.3902, 22.7101



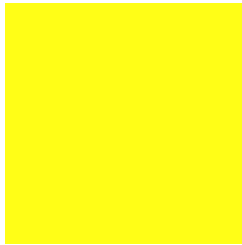
9.4404, 3.7904, 49.6686



0.9213, 0.3732, 4.8368

Previews

White Background



This preview shows how the XYZ color 76.8365, 92.2055, 14.5583 looks on a white background.

Color Contrast Check

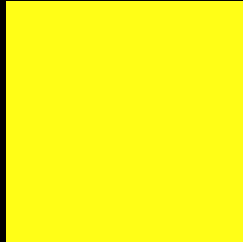
Large Text (above 18pt) WCAG AA × Fail

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 76.8365, 92.2055, 14.5583 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 76.8365, 92.2055, 14.5583

Background



This preview shows how black text looks on a background with the XYZ color 76.8365, 92.2055, 14.5583.

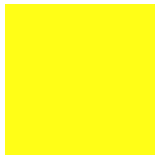


This preview shows how white text looks on a background with the XYZ color 76.8365, 92.2055,

Color Blindness Simulation

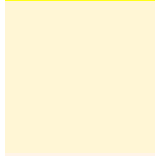
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



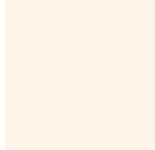
Original Color

76.8365, 92.2055, 14.5583



Protanopia

86.2060, 91.9756, 76.1603



Deuteranopia

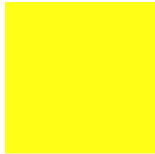
88.1562, 91.7876, 89.4144



Tritanopia

90.3895, 92.2007, 102.6550

Trichromacy



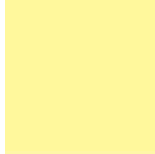
Original Color

76.8365, 92.2055, 14.5583



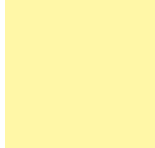
Protanomaly

80.1497, 91.0250, 39.7308



Deuteranomaly

80.8082, 90.7951, 44.7187



Tritanomaly

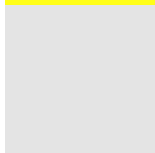
81.4758, 90.5715, 49.7470

Monochromacy



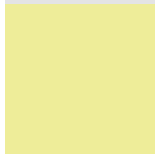
Original Color

76.8365, 92.2055, 14.5583



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.2939, 81.0454, 42.0227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8365, 92.2055, 14.5583 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, 254, 23)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 23)  
}
```

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, 254, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 23) }
```

Border

The CSS property to change the border of an element to XYZ 76.8365, 92.2055, 14.5583 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, 254, 23) }
```


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

```
.border{ border-color:rgb(255, 254, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8365, 92.2055, 14.5583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 23) }
```

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

```
.background{ background-color: rgb(255,  
254, 23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor