

Converting Colors

XYZ(76.5622, 90.9209, 16.7364)

Have a look what the booklet for
XYZ(76.5622, 90.9209, 16.7364)
contains.

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Color

**XYZ(76.6702, 91.1287,
16.7975)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFC34
RGB	255, 252, 52
RGB Percent	100%, 99%, 20%
CMY	0.0000, 0.0117, 0.7960
CMYK	0.00, 0.01, 0.80, 0.00
HSL	59°, 100%, 60%
HSV	59°, 80%, 100%
XYZ	76.6702, 91.1287, 16.7975
YIQ	230.0970, 65.9880, -61.5640

Conversions

Conversions Part 2

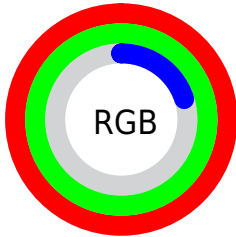
Format	Color
R _Y B	55, 255, 52
Decimal	16776244
CIE Lab	96.46, -19.31, 86.64
CIE LCh	96, 88.763, 102.566
Yxy	91.1287, 0.4153, 0.4937
Android (android.graphics.Color)	4294966324 (0xFFFFFC34)
YUV	230.0970, -87.8018, 21.8399
Hunter-Lab	95.4614, -23.6943, 56.3902

Details

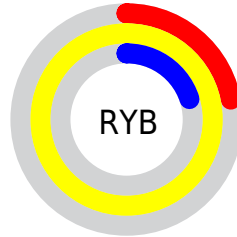
The XYZ color **76.6702, 91.1287, 16.7975** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **20.8328, 10.6829, 95.5710**, and the grayscale version is **75.8840, 79.8358, 86.9412**.

A 20% lighter version of the original color is **80.2109, 94.0644, 30.7583**, and **41.9881, 50.9492, 7.6212** is the 20% darker color. If you saturate the color by 10%, you get **76.1265, 90.7260, 14.5070**, and if you desaturate by 10%, it is **77.5280, 91.6643, 20.7228**.

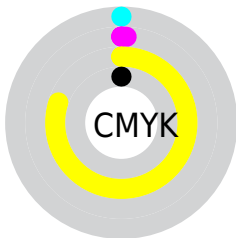
Distribution



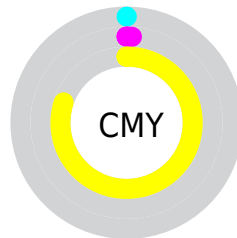
- Red (100%)
- Green (99%)
- Blue (20%)



- Red (22%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (1%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.6702, 91.1287, 16.7975 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 76.6702, 91.1287, 16.7975 by changing the saturation by 10% instead.


 76.6702, 91.1287,
16.7975


 76.6702, 91.1287,
16.7975


472.5480,
531.6957, 246.0070


 57.2812, 68.9172,
9.9298


 127.6491,
148.9052, 38.7631


 41.4721, 50.6443,
5.2474


 159.9698,
185.2390, 54.6982


 28.8774, 35.9256,
2.3319


 197.3318,
227.0490, 74.4927

 19.1319, 24.3767,
0.7490

 240.1003,
274.7195, 98.5653

 11.8702, 15.6133,
0.0000

 288.6409,
328.6351, 127.3345

 6.7269, 9.2509,
0.0000

343.3188,

 3.3367, 4.9052,

389.1800, 161.2188

0.0000

404.4994,
456.7388, 200.6368

■ 1.3342, 2.1918,
0.0000

■ 0.2086, 0.7155,
0.0000

■ 76.6702, 91.1287,
16.7975

■ 76.6702, 91.1287,
16.7975

■ 76.1265, 90.7260,
14.5070

■ 77.5280, 91.6643,
20.7228

■ 75.8221, 90.4159,
13.4848

■ 78.7375, 92.3376,
26.5076

■ 75.8119, 90.4044,
13.4541

■ 80.3374, 93.1673,
34.3473

■ 82.3598, 94.1665,
44.4112

■ 84.8337, 95.3466,
56.8511

■ 87.7853, 96.7182,
71.8053

■ 91.2389, 98.2910,
89.4018

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



101.6667, 91.1287, 17.7309



76.6702, 91.1287, 16.7975



58.2519, 91.1287, 28.8978

Triad

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



76.6702, 91.1287, 16.7975



56.0859, 91.1287, 222.8883



140.4016, 91.1287, 145.9048

Complementary

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



76.6702, 91.1287, 16.7975



20.8328, 10.6829, 95.5710

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.



122.9513, 91.1287, 237.2215



76.6702, 91.1287, 16.7975



73.1276, 91.1287, 294.2753

Square

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



76.6702, 91.1287, 16.7975



47.9803, 91.1287, 131.9212



97.3848, 91.1287, 300.5020



141.8498, 91.1287, 72.4315

Rectangle

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



76.6702, 91.1287, 16.7975



50.8770, 91.1287, 48.7528



97.3848, 91.1287, 300.5020



136.0792, 91.1287, 176.1765

Sweetspot

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



76.6723, 91.1330, 16.7994



86.4280, 96.0918, 64.9136



43.1672, 23.9963, 6.0206



18.2785, 20.4648, 12.7772



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.



76.6723, 91.1330, 16.7994



75.9155, 90.5215, 13.7641



50.2625, 78.9242, 15.8348



19.5369, 21.0420, 19.1761



39.6242, 47.2596, 7.0336



3.8651, 4.6157, 0.6872

Inverse Universe

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



20.8328, 10.6829, 95.5710



18.3322, 7.5948, 95.1075



31.8783, 16.1724, 96.0484



17.0245, 17.4206, 22.7152



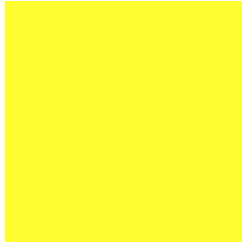
9.4621, 3.8338, 49.6759



0.9285, 0.3877, 4.8392

Previews

White Background



This preview shows how the XYZ color 76.6702, 91.1287, 16.7975 looks on a white background.

Color Contrast Check

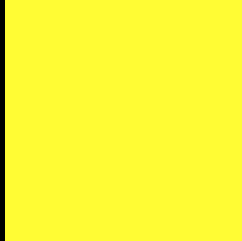
Large Text (above 18pt) WCAG AA × Fail

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 76.6702, 91.1287, 16.7975 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 76.6702, 91.1287, 16.7975

Background



This preview shows how black text looks on a background with the XYZ color 76.6702, 91.1287, 16.7975.



This preview shows how white text looks on a background with the XYZ color 76.6702, 91.1287,

Color Blindness Simulation

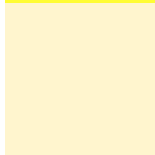
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



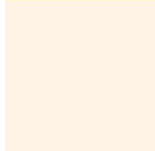
Original Color

76.6702, 91.1287, 16.7975



Protanopia

85.0330, 91.0210, 71.4796



Deuteranopia

87.4334, 91.0183, 87.0888



Tritanopia

89.6386, 90.9479, 101.6372

Trichromacy



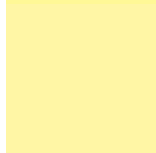
Original Color

76.6702, 91.1287, 16.7975



Protanomaly

80.3124, 90.5968, 42.1082



Deuteranomaly

80.9873, 89.8881, 48.6790



Tritanomaly

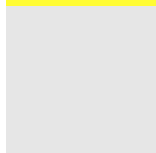
81.8282, 89.7391, 54.6036

Monochromacy



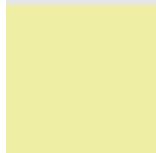
Original Color

76.6702, 91.1287, 16.7975



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.9627, 82.2164, 47.6211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6702, 91.1287, 16.7975 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, 252, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 52)  
}
```

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, 252, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 52) }
```

Border

The CSS property to change the border of an element to XYZ 76.6702, 91.1287, 16.7975 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, 252, 52) }
```


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

```
.border{ border-color:rgb(255, 252, 52) }
```

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

Here you see how a box with a 4 pixel rgb(255, 252, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6702, 91.1287, 16.7975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 52) }
```

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

```
.background{ background-color: rgb(255,  
252, 52) }
```

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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