

# Converting Colors

XYZ(75.6725, 91.8239, 26.0499)

Have a look what the booklet for  
XYZ(75.6725, 91.8239, 26.0499)  
contains.

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# **Color**

**XYZ(75.7652, 91.8721,  
26.0518)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FF65
RGB	245, 255, 101
RGB Percent	96%, 100%, 40%
CMY	0.0392, 0.0000, 0.6039
CMYK	0.04, 0.00, 0.60, 0.00
HSL	64°, 100%, 70%
HSV	64°, 60%, 100%
XYZ	75.7652, 91.8721, 26.0518
YIQ	234.4540, 43.4740, -50.0140

# Conversions

## Conversions Part 2

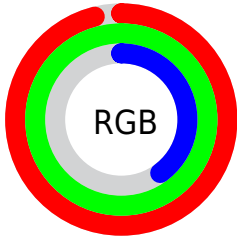
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	101, 255, 111
Decimal	16121701
CIE <sub>Lab</sub>	96.77, -22.47, 70.27
CIE <sub>LCh</sub>	97, 73.769, 107.730
Yxy	91.8721, 0.3912, 0.4743
Android (android.graphics.Color)	4294311781 (0xFFFF5FF65)
YUV	234.4540, -65.7928, 9.2488
Hunter-Lab	95.8499, -26.6409, 50.9801

# Details

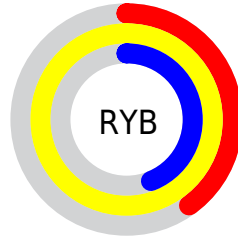
The XYZ color **75.7652, 91.8721, 26.0518** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **29.2604, 19.9082, 96.9082**, and the grayscale version is **79.0107, 83.1254, 90.5235**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **40.8440, 50.9874, 9.7867** is the 20% darker color. If you saturate the color by 10%, you get **74.1282, 91.1508, 20.4345**, and if you desaturate by 10%, it is **77.7950, 92.7510, 33.7124**.

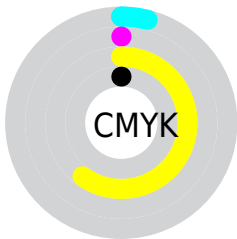
# Distribution



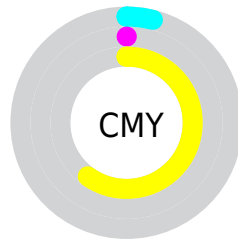
- Red (96%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (44%)



- Cyan (4%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7652, 91.8721, 26.0518 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 75.7652, 91.8721, 26.0518 by changing the saturation by 10% instead.





 75.7652, 91.8721,  
26.0518

 75.7652, 91.8721,  
26.0518


469.5003,  
534.1021, 296.6498

 56.5364, 69.5344,  
16.6363


 126.3771,  
149.9361, 54.3436


 40.8718, 51.1470,  
9.8163


 158.4908,  
186.4312, 74.0570

 28.4062, 36.3256,  
5.1733

 195.6303,  
228.4142, 98.0401

 18.7741, 24.6858,  
2.2888

 238.1608,  
276.2696, 126.7114

 11.6102, 15.8431,  
0.7249

286.4477,  
330.3817, 160.4895

 6.5491, 9.4132,  
0.0000

340.8563,

 3.2256, 5.0117,

391.1348, 199.7929

0.0000

401.7521,  
458.9135, 245.0402

■ 1.2741, 2.2541,  
0.0000

■ 0.1637, 0.7493,  
0.0000

■ 75.7652, 91.8721,  
26.0518

■ 75.7652, 91.8721,  
26.0518

■ 74.1282, 91.1508,  
20.4345

■ 77.7950, 92.7510,  
33.7124

■ 72.8466, 90.5723,  
16.6609


■ 80.2498, 93.8006,  
43.5836

■ 71.8761, 90.1189,  
14.4984

■ 83.1589, 95.0325,  
55.8195

■ 71.1679, 89.7735,  
13.5771

■ 86.5487, 96.4572,  
70.5595

 90.4436, 98.0846,  
87.9321

94.8664, 99.9238,  
108.0572

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

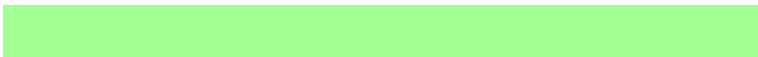
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0464, 91.8721, 24.9237



75.7652, 91.8721, 26.0518



61.0820, 91.8721, 41.3287

# Triad

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



75.7652, 91.8721, 26.0518



63.2166, 91.8721, 210.1598



132.2174, 91.8721, 126.2349

# Complementary

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



75.7652, 91.8721, 26.0518



29.2604, 19.9082, 96.9082

# 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.



120.1694, 91.8721, 197.8286



75.7652, 91.8721, 26.0518



79.1420, 91.8721, 257.6435

# Square

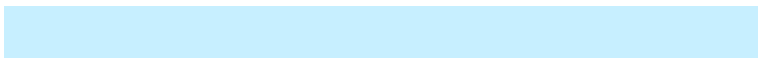
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7652, 91.8721, 26.0518



54.6629, 91.8721, 138.8687



99.9973, 91.8721, 252.4048



130.9291, 91.8721, 69.2105



# Rectangle

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



75.7652, 91.8721, 26.0518



55.4550, 91.8721, 62.7894



99.9973, 91.8721, 252.4048



129.5230, 91.8721, 149.6861

# Sweetspot

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



75.7652, 91.8721, 26.0530



87.4329, 96.8274, 74.4679



49.0264, 33.0740, 16.1131



18.4847, 20.6289, 14.9250



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.



75.7652, 91.8721, 26.0530



73.8989, 91.0485, 19.7080



54.7523, 81.0395, 25.0696



19.4379, 21.0272, 19.1785



37.2366, 46.9342, 7.0966



3.6593, 4.5872, 0.6926



# Inverse Universe

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



29.2604, 19.9082, 96.9082



23.9246, 13.6313, 95.9779



42.8816, 26.9301, 97.5457



17.1122, 17.4340, 22.7131



9.5891, 3.8538, 49.6730

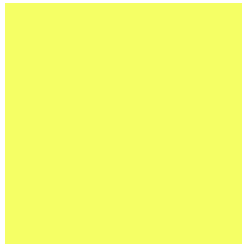


0.9701, 0.3940, 4.8382



# Previews

## White Background



This preview shows how the XYZ color 75.7652, 91.8721, 26.0518 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

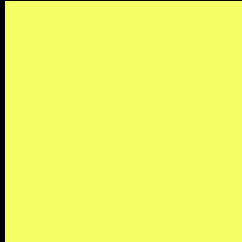
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.7652, 91.8721, 26.0518 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

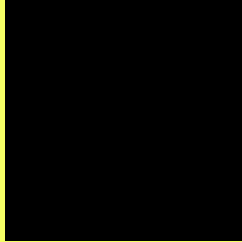
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.7652, 91.8721, 26.0518**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.7652, 91.8721, 26.0518.



This preview shows how white text looks on a background with the XYZ color 75.7652, 91.8721,



# 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



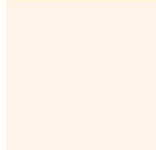
### Original Color

75.7652, 91.8721, 26.0518



### Protanopia

85.9536, 91.8747, 74.8314



### Deuteranopia

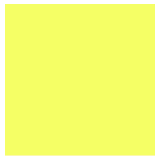
88.0145, 91.7309, 88.6683



## Tritanopia

90.7218, 91.8561, 105.8770

# Trichromacy



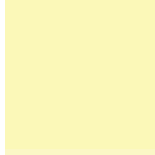
## Original Color

75.7652, 91.8721, 26.0518



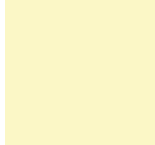
## Protanomaly

81.0100, 91.2009, 51.8619



## Deuteranomaly

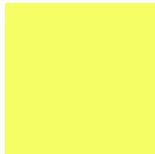
82.0028, 91.1047, 58.6104



## Tritanomaly

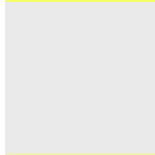
83.2375, 91.1080, 66.6246

# Monochromacy



## Original Color

75.7652, 91.8721, 26.0518



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.8750, 85.2266, 58.9057

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.7652, 91.8721, 26.0518 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(245, 255, 101)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 101)  
}
```

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(245, 255, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 75.7652, 91.8721, 26.0518 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(245, 255, 101) }
```



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

```
.border{ border-color:rgb(245, 255, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.7652, 91.8721, 26.0518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 101) }
```

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

```
.background{ background-color: rgb(245,  
255, 101) }
```

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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