

# Converting Colors

XYZ(66.4449, 75.8458, 19.0461)

Have a look what the booklet for  
XYZ(66.4449, 75.8458, 19.0461)  
contains.

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# Color

**XYZ(66.5045, 75.7025,  
19.0895)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3E552
RGB	243, 229, 82
RGB Percent	95%, 90%, 32%
CMY	0.0471, 0.1019, 0.6784
CMYK	0.00, 0.06, 0.66, 0.05
HSL	55°, 87%, 64%
HSV	55°, 66%, 95%
XYZ	66.5045, 75.7025, 19.0895
YIQ	216.4280, 55.5310, -42.7490

# Conversions

## Conversions Part 2

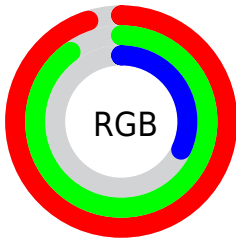
Format	Color
R <sub>Y</sub> B	97, 243, 82
Decimal	15983954
CIE Lab	89.72, -11.81, 70.34
CIE LCh	90, 71.324, 99.527
Yxy	75.7025, 0.4123, 0.4693
Android (android.graphics.Color)	4294174034 (0xFFFF3E552)
YUV	216.4280, -66.2730, 23.3036
Hunter-Lab	87.0072, -15.8249, 47.8967

# Details

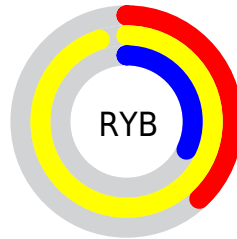
The XYZ color **66.5045, 75.7025, 19.0895** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **23.8403, 16.6304, 86.7471**, and the grayscale version is **65.9759, 69.4118, 75.5895**.

A 20% lighter version of the original color is **81.5874, 94.6150, 38.0072**, and **34.7371, 40.3684, 6.3418** is the 20% darker color. If you saturate the color by 10%, you get **65.1584, 74.2375, 14.8588**, and if you desaturate by 10%, it is **68.1885, 77.3198, 25.0491**.

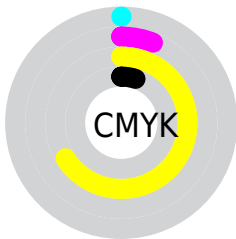
# Distribution



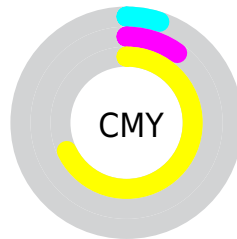
- Red (95%)
- Green (90%)
- Blue (32%)



- Red (38%)
- Yellow (95%)
- Blue (32%)



- Cyan (0%)
- Magenta (6%)
- Yellow (66%)
- Black (5%)



- Cyan (5%)
- Magenta (10%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5045, 75.7025, 19.0895 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 66.5045, 75.7025, 19.0895 by changing the saturation by 10% instead.



66.5045, 75.7025,  
19.0895

66.5045, 75.7025,  
19.0895

437.6392,  
480.3287, 259.3816

48.9513, 56.1886,  
11.5575

113.2638,  
127.3063, 42.7240

34.7952, 40.3542,  
6.3243

143.2007,  
160.1650, 59.6636

23.6709, 27.8148,  
2.9713

177.9961,  
198.2407, 80.5761

15.2131, 18.1861,  
1.0800

218.0154,  
241.9178, 105.8801

9.0564, 11.0837,  
0.0000

263.6241,  
291.5808, 135.9941

4.8354, 6.1231,  
0.0000

315.1873,

2.1848, 2.9201,

347.6140, 171.3366

0.0000

373.0706,  
410.4018, 212.3263

■ 0.7347, 1.0902,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 66.5045, 75.7025,  
19.0895

■ 66.5045, 75.7025,  
19.0895

■ 65.1584, 74.2375,  
14.8588

■ 68.1885, 77.3198,  
25.0491

■ 64.1086, 72.8995,  
12.1609


■ 70.2362, 79.0911,  
32.8967


■ 63.3115, 71.6739,  
10.7590


■ 72.6769, 81.0310,  
42.7784


■ 63.0511, 71.2328,  
10.4262


■ 75.5354, 83.1496,  
54.8246

 78.8344, 85.4559,  
69.1552

 82.5951, 87.9584,  
85.8809

 86.8370, 90.6651,  
105.1055

 87.9383, 92.1271,  
107.7552

 88.5840, 93.4187,  
107.9705

# Harmonies

## Analogous

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



84.4286, 75.7025, 20.9482



66.5045, 75.7025, 19.0895



52.5211, 75.7025, 28.0533

# Triad

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



66.5045, 75.7025, 19.0895



48.9128, 75.7025, 160.6187



108.4727, 75.7025, 121.1131

# Complementary

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



66.5045, 75.7025, 19.0895



23.8403, 16.6304, 86.7471

# 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.



95.6688, 75.7025, 181.8515



66.5045, 75.7025, 19.0895



60.7711, 75.7025, 210.3655

# Square

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



66.5045, 75.7025, 19.0895



43.5118, 75.7025, 99.5021



77.6911, 75.7025, 219.4133



110.6805, 75.7025, 67.4267



# Rectangle

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



66.5045, 75.7025, 19.0895



46.5855, 75.7025, 42.4506



77.6911, 75.7025, 219.4133



105.1765, 75.7025, 141.8781

# Sweetspot

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



66.5063, 75.7061, 19.0910



86.5012, 94.3439, 70.7778



42.1892, 25.9737, 14.3709



18.2935, 20.0386, 14.1885



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.



66.5063, 75.7061, 19.0910



72.1997, 82.2233, 15.1973



52.0721, 74.2465, 19.5701



17.7843, 19.0527, 17.5378



34.6554, 39.1963, 5.7391



3.0814, 3.5160, 0.5163



# Inverse Universe

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



23.8403, 16.6304, 86.7471



21.5269, 12.1470, 95.8178



31.1210, 18.6543, 86.7541



15.6969, 16.1581, 20.8341



9.0668, 3.9275, 46.8182



0.8357, 0.4228, 4.1278



# Previews

## White Background



This preview shows how the XYZ color 66.5045, 75.7025, 19.0895 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 66.5045, 75.7025, 19.0895 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 66.5045, 75.7025, 19.0895**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.5045, 75.7025, 19.0895.



This preview shows how white text looks on a background with the XYZ color 66.5045, 75.7025,



# 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

66.5045, 75.7025, 19.0895

### Protanopia

68.8264, 75.6822, 18.7652

### Deuteranopia

74.3760, 75.4635, 50.1810



## Tritanopia

79.9642, 75.6304, 85.9849

# Trichromacy



## Original Color

66.5045, 75.7025, 19.0895

## Protanomaly

68.0212, 75.6720, 18.8056

## Deuteranomaly

70.9050, 75.1780, 35.5847

## Tritanomaly

73.3127, 74.8700, 52.1823

# Monochromacy



## Original Color

66.5045, 75.7025, 19.0895

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

64.1955, 70.6717, 46.8167

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.5045, 75.7025, 19.0895 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(243, 229, 82)` looks like.

```
.text, #text, p{  
    color:rgb(243, 229, 82)  
}
```

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(243, 229, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 229, 82) }
```

## Border

The CSS property to change the border of an element to XYZ 66.5045, 75.7025, 19.0895 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(243, 229, 82) }
```



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

```
.border{ border-color:rgb(243, 229, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 229, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 229, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 229, 82);  
box-shadow:4px 4px 4px 4px rgb(243, 229,  
82) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.5045, 75.7025, 19.0895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 229, 82) }
```

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

```
.background{ background-color: rgb(243,  
229, 82) }
```

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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