

Converting Colors

XYZ(63.0613, 45.5346,
100.0731)

Have a look what the booklet for
XYZ(63.0613, 45.5346, 100.0731)
contains.

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Color

**XYZ(63.1005, 45.4753,
100.0596)**

Conversions

Conversions Part 1

Format	Color
Hex	ED91FF
RGB	237, 145, 255
RGB Percent	93%, 57%, 100%
CMY	0.0706, 0.4314, 0.0000
CMYK	0.07, 0.43, 0.00, 0.00
HSL	290°, 100%, 78%
HSV	290°, 43%, 100%
XYZ	63.1005, 45.4753, 100.0596
YIQ	185.0480, 19.5220, 53.7140

Conversions

Conversions Part 2

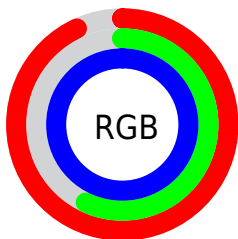
Format	Color
R _Y B	237, 145, 255
Decimal	15569407
CIE Lab	73.20, 51.68, -40.65
CIE LCh	73, 65.751, 321.818
Yxy	45.4753, 0.3024, 0.2180
Android (android.graphics.Color)	4293759487 (0xFFED91FF)
YUV	185.0480, 34.4863, 45.5619
Hunter-Lab	67.4354, 49.0138, -40.7688

Details

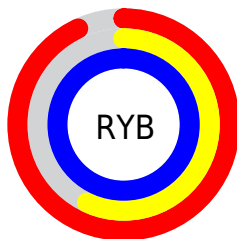
The XYZ color **63.1005, 45.4753, 100.0596** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **55.9760, 81.3513, 39.5422**, and the grayscale version is **45.9488, 48.3417, 52.6442**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **32.5245, 21.1431, 55.7929** is the 20% darker color. If you saturate the color by 10%, you get **58.2558, 37.8292, 98.8391**, and if you desaturate by 10%, it is **68.8548, 54.8906, 101.5736**.

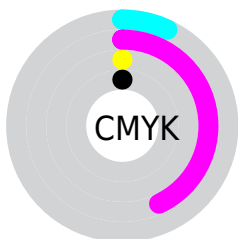
Distribution



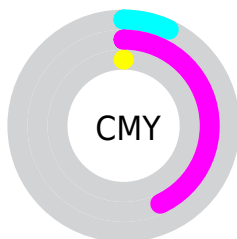
- Red (93%)
- Green (57%)
- Blue (100%)



- Red (93%)
- Yellow (57%)
- Blue (100%)



- Cyan (7%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1005, 45.4753, 100.0596 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 63.1005, 45.4753, 100.0596 by changing the saturation by 10% instead.


 63.1005, 45.4753,
100.0596

 63.1005, 45.4753,
100.0596


425.5880,
368.6951, 581.6321

 46.1815, 31.8320,
75.7332

 108.3955, 83.4332,
163.2917

 32.5943, 21.2332,
55.7084


 137.5022,
108.5165, 203.0344

 21.9736, 13.2946,
39.5667


171.4021,
138.1820, 248.7529

 13.9540, 7.6317,
26.8897

210.4606,
172.8140, 300.8658

 8.1701, 3.8602,
17.2587

255.0431,
212.7969, 359.7917

 4.2567, 1.5957,
10.2552

305.5150,

 1.8484, 0.3547,

258.5152, 425.9490

5.4607

362.2415,
310.3531, 499.7562

■ 0.5466, 0.0000,
2.4566

■ 0.0000, 0.0000,
0.8170

■ 63.1005, 45.4753,
100.0596

■ 63.1005, 45.4753,
100.0596

■ 58.2558, 37.8292,
98.8391

■ 68.8548, 54.8906,
101.5736

■ 54.2570, 31.8280,
97.8915

■ 75.5684, 66.1770,
103.3983

■ 51.0388, 27.3405,
97.1949

■ 83.2923, 79.4352,
105.5503

■ 48.5240, 24.2126,
96.7237

■ 92.0726, 94.7573,
108.0450

■ 46.6187, 22.2570,
96.4467

95.0500, 100.0000,
108.9000

■ 45.5707, 21.4075,
96.3379

Harmonies

Analogous

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



51.9988, 45.4753, 134.9652



63.1005, 45.4753, 100.0596



69.0958, 45.4753, 59.1143

Triad

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



63.1005, 45.4753, 100.0596



46.4563, 45.4753, 9.5039



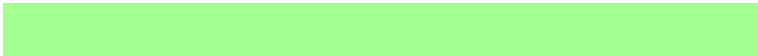
25.7324, 45.4753, 77.0651

Complementary

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



63.1005, 45.4753, 100.0596



55.9760, 81.3513, 39.5422

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.



24.7801, 45.4753, 41.0154



63.1005, 45.4753, 100.0596



35.4946, 45.4753, 10.8624

Square

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



63.1005, 45.4753, 100.0596



58.4301, 45.4753, 14.4928



28.0310, 45.4753, 19.7190



30.9136, 45.4753, 118.0858

Rectangle

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



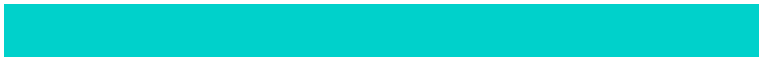
63.1005, 45.4753, 100.0596



68.7624, 45.4753, 37.6148



28.0310, 45.4753, 19.7190



24.9491, 45.4753, 63.6923

Sweetspot

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



63.1019, 45.4772, 100.0599



83.4040, 79.6286, 105.5817



42.8851, 39.5546, 99.9822



17.4672, 16.3788, 22.4908



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.



63.1019, 45.4772, 100.0599



58.7622, 38.6123, 98.9635



64.0649, 46.5918, 72.1762



18.4837, 18.1411, 22.7773



23.9201, 11.2418, 50.3437



2.4033, 1.1329, 4.9053

Inverse Universe

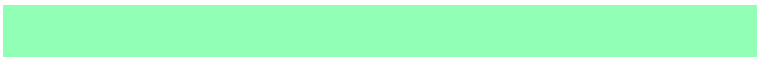
The Inverse Universe completely reimagines the original color for something new.



57.9772, 44.1567, 40.1189



53.2902, 37.2941, 30.8140



55.8473, 80.9040, 56.7499



18.1306, 18.0355, 19.3048



21.8000, 11.2093, 2.3313



2.1553, 1.1045, 0.3992

Previews

White Background



This preview shows how the XYZ color 63.1005, 45.4753, 100.0596 looks on a white background.

Color Contrast Check

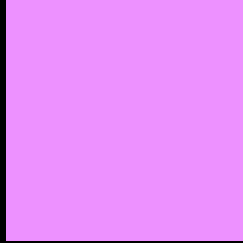
Large Text (above 18pt) WCAG AA × Fail

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 63.1005, 45.4753, 100.0596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

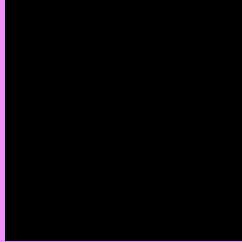
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.1005, 45.4753, 100.0596

Background



This preview shows how black text looks on a background with the XYZ color 63.1005, 45.4753, 100.0596.



This preview shows how white text looks on a background with the XYZ color 63.1005, 45.4753,

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

63.1005, 45.4753, 100.0596

Protanopia

47.4880, 46.0294, 100.9894

Deuteranopia

47.1198, 45.9494, 96.0082



Tritanopia

52.1991, 45.4583, 46.5806

Trichromacy



Original Color

63.1005, 45.4753, 100.0596



Protanomaly

51.6938, 44.8067, 100.5317



Deuteranomaly

51.5423, 44.8023, 97.1979

Tritanomaly

55.4207, 44.9596, 62.8838

Monochromacy



Original Color

63.1005, 45.4753, 100.0596



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

50.9094, 46.2400, 67.2148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1005, 45.4753, 100.0596 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(237, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 145, 255)  
}
```

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(237, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 145, 255) }
```

Border

The CSS property to change the border of an element to XYZ 63.1005, 45.4753, 100.0596 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(237, 145, 255) }
```


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

```
.border{ border-color:rgb(237, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 145,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1005, 45.4753, 100.0596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 145, 255) }
```

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

```
.background{ background-color: rgb(237,  
145, 255) }
```

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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