

Converting Colors

XYZ(98.4990, 64.1995, 65.5796)

Have a look what the booklet for
XYZ(98.4990, 64.1995, 65.5796)
contains.

XYZ(62.3538, 45.6627, 63.9199)	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(62.3538, 45.6627,
63.9199)**

Conversions

Conversions Part 1

Format	Color
Hex	FF90CE
RGB	255, 144, 206
RGB Percent	100%, 56%, 81%
CMY	0.0000, 0.4353, 0.1922
CMYK	0.00, 0.44, 0.19, 0.00
HSL	326°, 100%, 78%
HSV	326°, 44%, 100%
XYZ	62.3538, 45.6627, 63.9199
YIQ	184.2570, 46.2540, 42.8140

Conversions

Conversions Part 2

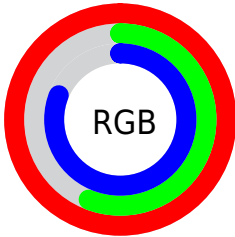
Format	Color
R_{YB}	255, 144, 206
Decimal	16748750
CIE _{Lab}	73.33, 49.43, -13.45
CIE _{LCh}	73, 51.227, 344.774
Yxy	45.6627, 0.3627, 0.2656
Android (android.graphics.Color)	4294938830 (0xFFFF90CE)
YUV	184.2570, 10.7193, 62.0416
Hunter-Lab	67.5742, 46.4553, -8.7818

Details

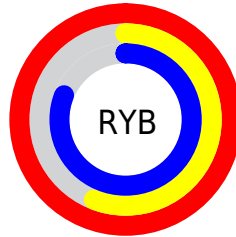
The XYZ color **62.3538, 45.6627, 63.9199** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **56.8890, 81.3004, 63.1495**, and the grayscale version is **45.6278, 48.0040, 52.2764**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **32.0886, 21.3151, 32.1287** is the 20% darker color. If you saturate the color by 10%, you get **57.5996, 38.2650, 55.8280**, and if you desaturate by 10%, it is **68.0804, 54.8480, 72.8203**.

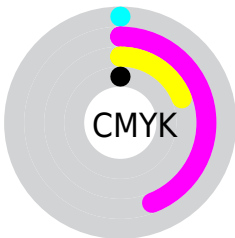
Distribution



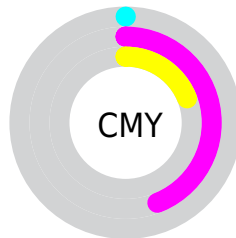
- Red (100%)
- Green (56%)
- Blue (81%)



- Red (100%)
- Yellow (56%)
- Blue (81%)



- Cyan (0%)
- Magenta (44%)
- Yellow (19%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.3538, 45.6627, 63.9199 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 62.3538, 45.6627, 63.9199 by changing the saturation by 10% instead.


 62.3538, 45.6627,
63.9199


 62.3538, 45.6627,
63.9199


422.9175,
369.4509, 457.0998

 45.5753, 31.9797,
46.1400


 107.3238, 83.7140,
112.0939

 32.1140, 21.3460,
32.0069

 136.2460,
108.8511, 143.3252

 21.6046, 13.3772,
21.1019


169.9468,
138.5750, 179.8773

 13.6816, 7.6888,
13.0065

208.7915,
173.2702, 222.1688

 7.9798, 3.8965,
7.3023

253.1457,
213.3209, 270.6183

 4.1337, 1.6158,
3.5705

303.3744,

 1.7781, 0.3682,

259.1117, 325.6443

1.3928

359.8433,
311.0269, 387.6653

■ 0.5044, 0.0000,
0.1361

■ 0.0000, 0.0000,
0.0000

■ 62.3538, 45.6627,
63.9199

■ 62.3538, 45.6627,
63.9199

■ 57.5996, 38.2650,
55.8280

■ 68.0804, 54.8480,
72.8203

■ 53.7529, 32.5290,
48.5113

■ 74.8318, 65.9232,
82.5548

■ 50.7458, 28.3222,
41.9374

■ 82.6607, 78.9904,
93.1510

■ 48.4988, 25.4886,
36.0689

■ 91.6150, 94.1424,
104.6340

■ 46.9150, 23.8386,
30.8625

95.0500, 100.0000,
108.9000

■ 46.1547, 23.2259,
27.8104

Harmonies

Analogous

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



56.7810, 45.6627, 93.9090



62.3538, 45.6627, 63.9199



62.3989, 45.6627, 38.1102

Triad

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



62.3538, 45.6627, 63.9199



39.1317, 45.6627, 15.5216



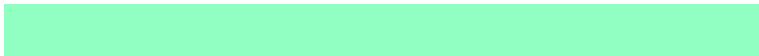
32.2284, 45.6627, 93.4866

Complementary

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



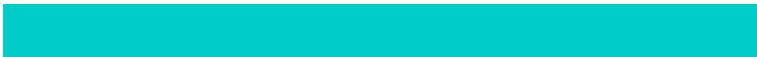
62.3538, 45.6627, 63.9199



56.8890, 81.3004, 63.1495

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.



28.7131, 45.6627, 63.4738



62.3538, 45.6627, 63.9199



32.3077, 45.6627, 22.1611

Square

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



62.3538, 45.6627, 63.9199



48.1114, 45.6627, 15.5683



28.7399, 45.6627, 37.7944



39.0086, 45.6627, 114.5972

Rectangle

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



62.3538, 45.6627, 63.9199



59.2422, 45.6627, 26.4515



28.7399, 45.6627, 37.7944



30.6700, 45.6627, 83.7221

Sweetspot

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



62.3549, 45.6648, 63.9208



83.1040, 79.7359, 93.7337



49.7887, 38.3885, 99.3933



17.3947, 16.4066, 19.5439



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.



62.3549, 45.6648, 63.9208



58.2653, 39.2841, 57.0127



56.8332, 43.4561, 34.8438



18.4342, 18.1570, 20.9037



24.1932, 12.1666, 14.9338



2.4106, 1.2066, 1.7436

Inverse Universe

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



62.3549, 45.6648, 63.9208



58.2653, 39.2841, 57.0127



64.1441, 84.2024, 101.3542



18.4342, 18.1570, 20.9037



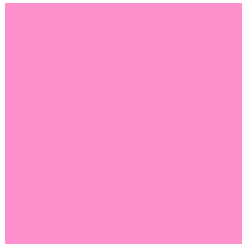
24.1932, 12.1666, 14.9338



2.4106, 1.2066, 1.7436

Previews

White Background



This preview shows how the XYZ color 62.3538, 45.6627, 63.9199 looks on a white background.

Color Contrast Check

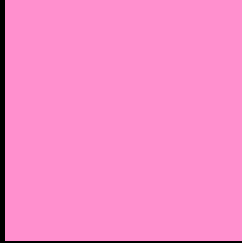
Large Text (above 18pt) WCAG AA × Fail

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 62.3538, 45.6627, 63.9199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

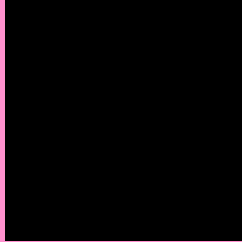
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.3538, 45.6627, 63.9199

Background



This preview shows how black text looks on a background with the XYZ color 62.3538, 45.6627, 63.9199.



This preview shows how white text looks on a background with the XYZ color 62.3538, 45.6627,

63.9199.

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

62.3538, 45.6627, 63.9199

Protanopia

46.4114, 46.2222, 80.6044

Deuteranopia

47.0542, 46.0865, 61.6739



Tritanopia

57.7127, 45.6460, 40.8907

Trichromacy



Original Color

62.3538, 45.6627, 63.9199



Protanomaly

50.5068, 44.7723, 74.3865



Deuteranomaly

51.4955, 45.0088, 62.4734



Tritanomaly

59.0290, 45.4450, 48.3084

Monochromacy



Original Color

62.3538, 45.6627, 63.9199



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

50.2807, 45.8833, 56.0755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.3538, 45.6627, 63.9199 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, 144, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 206)  
}
```

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, 144, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 206) }
```

Border

The CSS property to change the border of an element to XYZ 62.3538, 45.6627, 63.9199 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, 144, 206) }
```


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

```
.border{ border-color:rgb(255, 144, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 62.3538, 45.6627, 63.9199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 206) }
```

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

```
.background{ background-color: rgb(255,  
144, 206) }
```

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