

# Converting Colors

XYZ(49.7515, 35.8131, 25.7971)

Have a look what the booklet for  
XYZ(49.7515, 35.8131, 25.7971)  
contains.

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# Color

**XYZ(49.6622, 35.8282,  
25.7708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F77C83
RGB	247, 124, 131
RGB Percent	97%, 49%, 51%
CMY	0.0314, 0.5137, 0.4863
CMYK	0.00, 0.50, 0.47, 0.03
HSL	357°, 88%, 73%
HSV	357°, 50%, 97%
XYZ	49.6622, 35.8282, 25.7708
YIQ	161.5750, 71.0610, 28.2530

# Conversions

## Conversions Part 2

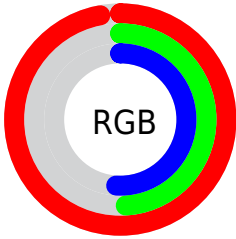
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 124, 131
Decimal	16219267
CIE Lab	66.39, 47.59, 18.33
CIE LCh	66, 51.003, 21.069
Yxy	35.8282, 0.4464, 0.3220
Android (android.graphics.Color)	4294409347 (0xFFFF77C83)
YUV	161.5750, -15.0735, 74.9177
Hunter-Lab	59.8567, 43.3497, 16.3728

# Details

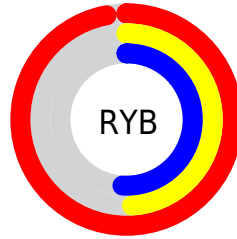
The XYZ color **49.6622, 35.8282, 25.7708** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **57.3031, 77.0987, 94.3044**, and the grayscale version is **34.1900, 35.9706, 39.1720**.

A 20% lighter version of the original color is **66.0118, 56.9609, 52.8627**, and **24.0259, 15.5548, 9.7187** is the 20% darker color. If you saturate the color by 10%, you get **45.5399, 29.8327, 17.4634**, and if you desaturate by 10%, it is **54.9164, 43.5196, 36.2072**.

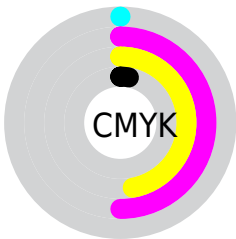
# Distribution



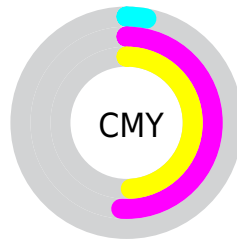
- Red (97%)
- Green (49%)
- Blue (51%)



- Red (97%)
- Yellow (49%)
- Blue (51%)



- Cyan (0%)
- Magenta (50%)
- Yellow (47%)
- Black (3%)




- Cyan (3%)
- Magenta (51%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6622, 35.8282, 25.7708 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 49.6622, 35.8282, 25.7708 by changing the saturation by 10% instead.





 49.6622, 35.8282,  
25.7708


 49.6622, 35.8282,  
25.7708

375.8173,  
328.2090, 295.2247

 35.3618, 24.3015,  
16.4280


 88.8690, 68.7668,  
53.8845

 24.1095, 15.5575,  
9.6699


 114.5061, 90.9476,  
73.4925

 15.5400, 9.2115,  
5.0779


 144.6527,  
117.4485, 97.3593

 9.2880, 4.8794,  
2.2335

179.6743,  
148.6539, 125.9035

 4.9881, 2.1767,  
0.6936

219.9362,  
184.9483, 159.5436

 2.2750, 0.7072,  
0.0000

265.8038,

 0.7818, 0.0000,

226.7160, 198.6981

0.0000

317.6424,  
274.3414, 243.7857

■ 0.0000, 0.0000,  
0.0000

■ 49.6622, 35.8282,  
25.7708

■ 49.6622, 35.8282,  
25.7708

■ 45.5399, 29.8327,  
17.4634

■ 54.9164, 43.5196,  
36.2072

■ 42.4636, 25.3998,  
11.1365

■ 61.3745, 53.0158,  
48.9034

■ 40.3397, 22.3856,  
6.6258

■ 69.1058, 64.4233,  
63.9817

■ 39.0567, 20.6171,  
3.7394

■ 78.1734, 77.8385,  
81.5555

■ 38.4461, 19.8183,  
2.2333

■ 88.6364, 93.3515,  
101.7305

■ 38.4373, 19.8059,  
2.2141

■ 92.1677, 98.5141,  
108.7651

# Harmonies

## Analogous

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



50.7020, 35.8282, 45.9050



49.6622, 35.8282, 25.7708



44.1308, 35.8282, 14.6028

# Triad

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



49.6622, 35.8282, 25.7708



23.8676, 35.8282, 18.1150



31.8261, 35.8282, 96.9872

# Complementary

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



49.6622, 35.8282, 25.7708



57.3031, 77.0987, 94.3044

# 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.



25.6407, 35.8282, 81.6789



49.6622, 35.8282, 25.7708



21.5183, 35.8282, 32.8439

# Square

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



49.6622, 35.8282, 25.7708



29.0467, 35.8282, 11.4697



22.1150, 35.8282, 56.1504



39.6052, 35.8282, 92.8279



# Rectangle

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



49.6622, 35.8282, 25.7708



39.0392, 35.8282, 11.2343



22.1150, 35.8282, 56.1504



29.5117, 35.8282, 93.7867

# Sweetspot

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



49.6631, 35.8301, 25.7714



78.7648, 75.8674, 77.4585



59.5263, 39.4486, 92.4725



16.4269, 15.5998, 15.7414



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.



49.6631, 35.8301, 25.7714



48.8441, 31.9038, 18.5360



57.7786, 52.7942, 26.2164



16.5373, 16.4978, 17.3102



20.3442, 10.4811, 1.2549



1.8012, 0.9265, 0.1797



# Inverse Universe

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



49.6631, 35.8301, 25.7714



48.8441, 31.9038, 18.5360



44.3276, 49.4526, 95.2045



16.5373, 16.4978, 17.3102



20.3442, 10.4811, 1.2549



1.8012, 0.9265, 0.1797



# Previews

## White Background



This preview shows how the XYZ color 49.6622, 35.8282, 25.7708 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

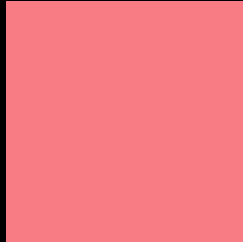
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.6622, 35.8282, 25.7708 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 49.6622, 35.8282, 25.7708**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.6622, 35.8282, 25.7708.



This preview shows how white text looks on a background with the XYZ color 49.6622, 35.8282, 25.7708.

25.7708.

# 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

49.6622, 35.8282, 25.7708

### Protanopia

34.3983, 36.0166, 33.9931

### Deuteranopia

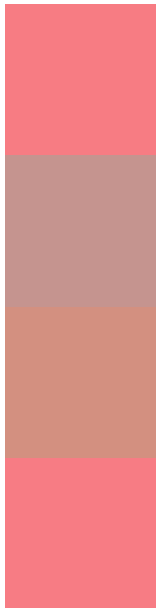
36.7224, 35.8962, 24.7318



## Tritanopia

49.7991, 35.8829, 26.4917

# Trichromacy



## Original Color

49.6622, 35.8282, 25.7708

## Protanomaly

38.5738, 35.0333, 30.7156

## Deuteranomaly

40.7335, 35.3539, 25.0992

## Tritanomaly

49.7303, 35.8554, 26.1295

# Monochromacy



## Original Color

49.6622, 35.8282, 25.7708

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

38.1681, 34.7516, 33.9742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.6622, 35.8282, 25.7708 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(247, 124, 131)` looks like.

```
.text, #text, p{  
    color:rgb(247, 124, 131)  
}
```

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(247, 124, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 124, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 49.6622, 35.8282, 25.7708 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(247, 124, 131) }
```



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

```
.border{ border-color:rgb(247, 124, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 124, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 124, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 124, 131);  
box-shadow:4px 4px 4px 4px rgb(247, 124,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.6622, 35.8282, 25.7708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 124, 131) }
```

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

```
.background{ background-color: rgb(247,  
124, 131) }
```

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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