

# Converting Colors

XYZ(26.6189, 21.6179, 36.3600)

Have a look what the booklet for  
XYZ(26.6189, 21.6179, 36.3600)  
contains.

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# Color

**XYZ(26.5253, 21.5325,  
36.4764)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F70A1
RGB	159, 112, 161
RGB Percent	62%, 44%, 63%
CMY	0.3765, 0.5608, 0.3686
CMYK	0.01, 0.30, 0.00, 0.37
HSL	298°, 21%, 54%
HSV	298°, 30%, 63%
XYZ	26.5253, 21.5325, 36.4764
YIQ	131.6390, 12.2830, 25.2030

# Conversions

## Conversions Part 2

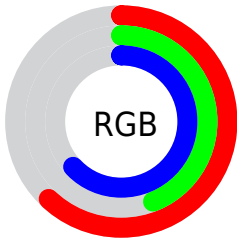
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	159, 112, 161
Decimal	10449057
CIE Lab	53.53, 27.06, -19.03
CIE LCh	54, 33.080, 324.884
Yxy	21.5325, 0.3138, 0.2547
Android (android.graphics.Color)	4288639137 (0xFF9F70A1)
YUV	131.6390, 14.4750, 23.9956
Hunter-Lab	46.4031, 20.8300, -14.1243

# Details

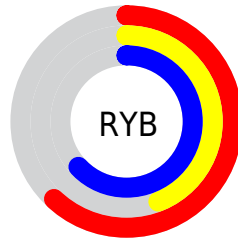
The XYZ color **26.5253, 21.5325, 36.4764** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.6097, 30.2376, 19.9751**, and the grayscale version is **21.7494, 22.8821, 24.9186**.

A 20% lighter version of the original color is **53.4017, 45.8049, 70.9924**, and **10.6012, 7.7849, 15.4119** is the 20% darker color. If you saturate the color by 10%, you get **24.7755, 18.2255, 35.9306**, and if you desaturate by 10%, it is **28.5948, 25.4771, 37.1290**.

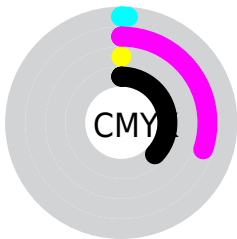
# Distribution



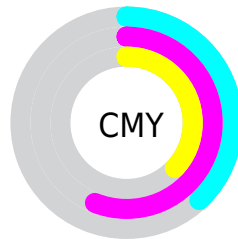
- Red (62%)
- Green (44%)
- Blue (63%)



- Red (62%)
- Yellow (44%)
- Blue (63%)



- Cyan (1%)
- Magenta (30%)
- Yellow (0%)
- Black (37%)




- Cyan (38%)
- Magenta (56%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.5253, 21.5325, 36.4764 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 26.5253, 21.5325, 36.4764 by changing the saturation by 10% instead.




 26.5253, 21.5325,  
36.4764


 26.5253, 21.5325,  
36.4764


277.5610,  
260.0951, 346.1382


 17.3518, 13.5138,  
24.5097


 53.5465, 45.9721,  
70.9440


 10.5825, 7.7833,  
15.4965


 72.1248, 63.1618,  
94.2821

 5.8520, 3.9566,  
9.0181


 94.5688, 84.1772,  
122.2478

 2.7951, 1.6493,  
4.6560

 121.2438,  
109.4029, 155.2595

 1.0464, 0.3905,  
1.9917

152.5152,  
139.2231, 193.7359

 0.0000, 0.0000,  
0.5502

188.7482,

 0.0000, 0.0000,

174.0222, 238.0954

0.0000

230.3084,  
214.1848, 288.7567

■ 26.5253, 21.5325,  
36.4764

■ 26.5253, 21.5325,  
36.4764

■ 24.7755, 18.2255,  
35.9306

■ 28.5948, 25.4771,  
37.1290

■ 23.3265, 15.5192,  
35.4846

■ 30.9976, 30.0877,  
37.8923

■ 22.1603, 13.3778,  
35.1328

■ 33.7490, 35.3945,  
38.7716

■ 21.2565, 11.7600,  
34.8681

■ 36.8629, 41.4252,  
39.7715

■ 20.5917, 10.6193,  
34.6830

■ 40.3521, 48.2057,  
40.8964

■ 20.1386, 9.9008,  
34.5682

■ 44.2292, 55.7607,  
42.1503

■ 19.8416, 9.4856,  
34.5037

■ 48.5059, 64.1139,  
43.5373

■ 53.1935, 73.2880,  
45.0610

■ 57.6924, 82.0834,  
46.5215

# Harmonies

## Analogous

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



23.4522, 21.5325, 45.8284



26.5253, 21.5325, 36.4764



27.9856, 21.5325, 25.2190

# Triad

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



26.5253, 21.5325, 36.4764



21.0763, 21.5325, 8.9398



14.9130, 21.5325, 32.5974

# Complementary

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



26.5253, 21.5325, 36.4764



22.6097, 30.2376, 19.9751

# 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.



14.4307, 21.5325, 21.7566



26.5253, 21.5325, 36.4764



17.7447, 21.5325, 9.8777

# Square

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



26.5253, 21.5325, 36.4764



24.6173, 21.5325, 10.8827



15.4078, 21.5325, 13.9587



16.8098, 21.5325, 43.1754



# Rectangle

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



26.5253, 21.5325, 36.4764



27.7394, 21.5325, 18.8047



15.4078, 21.5325, 13.9587



14.5900, 21.5325, 28.7925

# Sweetspot

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



26.5260, 21.5334, 36.4769



56.1013, 55.0152, 68.0487



19.1842, 18.1554, 36.2118



12.1637, 11.7960, 14.8794



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



26.5260, 21.5334, 36.4769



45.1738, 34.1522, 64.5977



25.1494, 21.0290, 27.1412



7.3356, 7.1874, 8.9037



15.8553, 7.5802, 27.5572



0.3413, 0.1635, 0.5794



# Inverse Universe

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



23.5301, 20.3813, 18.6144



38.9034, 31.7463, 26.9584



23.7343, 30.6577, 27.2400



7.0849, 7.0904, 7.4337



11.7713, 6.0646, 0.7205



0.2506, 0.1288, 0.0326



# Previews

## White Background



This preview shows how the XYZ color 26.5253, 21.5325, 36.4764 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5253, 21.5325, 36.4764 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

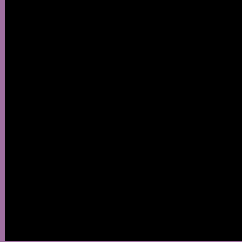
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 26.5253, 21.5325, 36.4764**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.5253, 21.5325, 36.4764.



This preview shows how white text looks on a background with the XYZ color 26.5253, 21.5325,



# 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

26.5253, 21.5325, 36.4764

### Protanopia

22.1060, 21.8021, 42.0728

### Deuteranopia

22.0899, 21.7503, 35.3817



## Tritanopia

23.7011, 21.3854, 23.3007

# Trichromacy



## Original Color

26.5253, 21.5325, 36.4764

## Protanomaly

23.3875, 21.5715, 39.9769

## Deuteranomaly

23.4119, 21.4963, 35.7162

## Tritanomaly

24.6893, 21.4522, 27.6504

# Monochromacy



## Original Color

26.5253, 21.5325, 36.4764

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

23.4469, 22.4012, 29.0747

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.5253, 21.5325, 36.4764 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(159, 112, 161)` looks like.

```
.text, #text, p{  
    color:rgb(159, 112, 161)  
}
```

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(159, 112, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 112, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 26.5253, 21.5325, 36.4764 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(159, 112, 161) }
```



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

```
.border{ border-color:rgb(159, 112, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 112, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 112, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 112, 161);  
box-shadow:4px 4px 4px 4px rgb(159, 112,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.5253, 21.5325, 36.4764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 112, 161) }
```

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

```
.background{ background-color: rgb(159,  
112, 161) }
```

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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