

# Converting Colors

XYZ(36.2659, 20.1325, 25.6414)

Have a look what the booklet for  
XYZ(36.2659, 20.1325, 25.6414)  
contains.

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# Color

**XYZ(36.2659, 20.1325,  
25.6414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF3689
RGB	223, 54, 137
RGB Percent	87%, 21%, 54%
CMY	0.1255, 0.7882, 0.4627
CMYK	0.00, 0.76, 0.39, 0.13
HSL	331°, 73%, 54%
HSV	331°, 76%, 87%
XYZ	36.2659, 20.1325, 25.6414
YIQ	113.9930, 74.0810, 61.6410

# Conversions

## Conversions Part 2

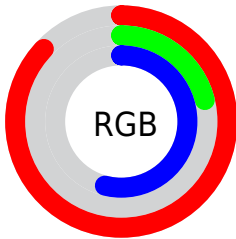
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 54, 137
Decimal	14628489
CIE <sub>Lab</sub>	51.99, 69.61, -6.29
CIE <sub>LCh</sub>	52, 69.889, 354.838
Yxy	20.1325, 0.4421, 0.2454
Android (android.graphics.Color)	4292818569 (0xFFDF3689)
YUV	113.9930, 11.3425, 95.5991
Hunter-Lab	44.8693, 65.7527, -2.4739

# Details

The XYZ color **36.2659, 20.1325, 25.6414** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle muted rose. A complement of this color would be **32.6441, 55.4536, 33.7988**, and the grayscale version is **15.9453, 16.7757, 18.2688**.

A 20% lighter version of the original color is **56.7797, 37.4685, 52.9547**, and **16.8246, 8.4747, 9.7658** is the 20% darker color. If you saturate the color by 10%, you get **34.6836, 18.2029, 21.3065**, and if you desaturate by 10%, it is **38.4103, 23.0492, 30.5865**.

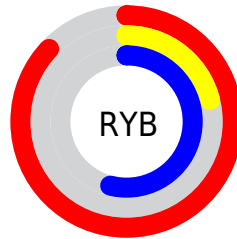
# Distribution



Red (87%)

Green (21%)

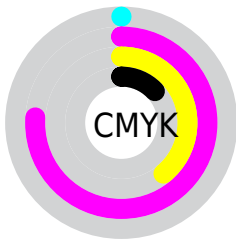
Blue (54%)



Red (87%)

Yellow (21%)

Blue (54%)

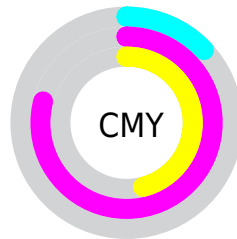


Cyan (0%)

Magenta (76%)

Yellow (39%)

Black (13%)



Cyan (13%)

Magenta (79%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2659, 20.1325, 25.6414 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 36.2659, 20.1325, 25.6414 by changing the saturation by 10% instead.





 36.2659, 20.1325,  
25.6414


 36.2659, 20.1325,  
25.6414


321.5323,  
252.6315, 294.5665


 24.8107, 12.4914,  
16.3322


 68.7635, 43.6392,  
53.6728


 16.0640, 7.0793,  
9.6026


 90.5365, 60.2736,  
73.2321


 9.6606, 3.5117,  
5.0342


 116.4796, 80.6746,  
97.0453

 5.2351, 1.4044,  
2.2082

 146.9580,  
105.2265, 125.5307

 2.4220, 0.2199,  
0.6791

 182.3371,  
134.3137, 159.1070

 0.8561, 0.0000,  
0.0000

222.9823,

 0.0000, 0.0000,

168.3207, 198.1927

0.0000

269.2589,  
207.6319, 243.2064

■ 36.2659, 20.1325,  
25.6414

■ 36.2659, 20.1325,  
25.6414

■ 34.6836, 18.2029,  
21.3065

■ 38.4103, 23.0492,  
30.5865

■ 33.5880, 17.1141,  
17.5432


■ 41.1753, 27.0659,  
36.1733


■ 33.2193, 16.8031,  
16.1055


■ 44.6132, 32.2835,  
42.4313


■ 48.7702, 38.7906,  
49.3873

■ 53.6880, 46.6671,  
57.0662

 59.4052, 55.9867,  
65.4918

 65.9576, 66.8175,  
74.6860

 73.3787, 79.2235,  
84.6703

 81.7002, 93.2649,  
95.4648

# Harmonies

## Analogous

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



32.6521, 20.1325, 53.1423



36.2659, 20.1325, 25.6414



34.4429, 20.1325, 9.2313

# Triad

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



36.2659, 20.1325, 25.6414



13.9413, 20.1325, 2.1187



12.2842, 20.1325, 72.1392

# Complementary

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



36.2659, 20.1325, 25.6414



32.6441, 55.4536, 33.7988

# 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.



9.2059, 20.1325, 42.8603



36.2659, 20.1325, 25.6414



9.9831, 20.1325, 6.2062

# Square

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



36.2659, 20.1325, 25.6414



20.3938, 20.1325, 1.4690



8.4823, 20.1325, 18.5789



17.9297, 20.1325, 88.7504



# Rectangle

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



36.2659, 20.1325, 25.6414



30.5780, 20.1325, 4.2681



8.4823, 20.1325, 18.5789



10.9763, 20.1325, 62.8194

# Sweetspot

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



36.2665, 20.1336, 25.6417



74.6704, 66.3425, 80.2130



25.2042, 13.4138, 71.0725



15.4151, 13.2815, 16.3130



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.



36.2665, 20.1336, 25.6417



46.0541, 23.6743, 25.7742



32.4173, 18.5939, 5.3720



13.9864, 13.8122, 15.6985



19.5894, 9.9027, 9.7692



1.4030, 0.7045, 0.9149



# Inverse Universe

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



36.2665, 20.1336, 25.6417



46.0541, 23.6743, 25.7742



41.2288, 58.8875, 79.0052



13.9864, 13.8122, 15.6985



19.5894, 9.9027, 9.7692



1.4030, 0.7045, 0.9149



# Previews

## White Background



This preview shows how the XYZ color 36.2659, 20.1325, 25.6414 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

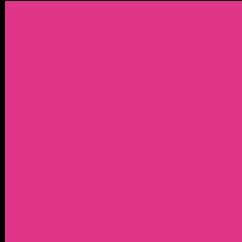
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.2659, 20.1325, 25.6414 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

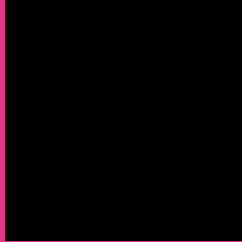
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.2659, 20.1325, 25.6414**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.2659, 20.1325, 25.6414.



This preview shows how white text looks on a background with the XYZ color 36.2659, 20.1325,



# 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

36.2659, 20.1325, 25.6414

### Protanopia

21.3522, 20.5466, 47.0965

### Deuteranopia

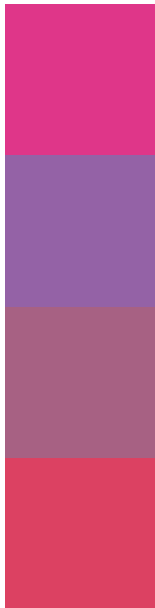
20.7253, 20.3842, 23.2643



**Tritanopia**

32.8008, 20.2028, 8.8273

# Trichromacy



## Original Color

36.2659, 20.1325, 25.6414

## Protanomaly

23.4634, 17.7844, 38.2725

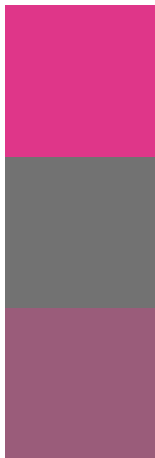
## Deuteranomaly

24.3078, 18.4036, 23.7438

## Tritanomaly

33.6101, 19.8781, 13.6207

# Monochromacy



## Original Color

36.2659, 20.1325, 25.6414

## Achromatopsia

15.9940, 16.8269, 18.3245

## Achromatomaly

20.6664, 15.9295, 20.3978

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.2659, 20.1325, 25.6414 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(223, 54, 137)` looks like.

```
.text, #text, p{  
    color:rgb(223, 54, 137)  
}
```

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(223, 54, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 54, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 36.2659, 20.1325, 25.6414 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(223, 54, 137) }
```



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

```
.border{ border-color:rgb(223, 54, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 54, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 54, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 54, 137);  
box-shadow:4px 4px 4px 4px rgb(223, 54,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.2659, 20.1325, 25.6414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 54, 137) }
```

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

```
.background{ background-color: rgb(223, 54,  
137) }
```

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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