

Converting Colors

XYZ(37.2021, 19.6810, 25.1889)

Have a look what the booklet for
XYZ(37.2021, 19.6810, 25.1889)
contains.

XYZ(37.1320, 19.6578, 25.1298)	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(37.1320, 19.6578,
25.1298)**

Conversions

Conversions Part 1

Format	Color
Hex	E42688
RGB	228, 38, 136
RGB Percent	89%, 15%, 53%
CMY	0.1059, 0.8509, 0.4667
CMYK	0.00, 0.83, 0.40, 0.11
HSL	329°, 78%, 52%
HSV	329°, 83%, 89%
XYZ	37.1320, 19.6578, 25.1298
YIQ	105.9820, 81.7820, 70.7580

Conversions

Conversions Part 2

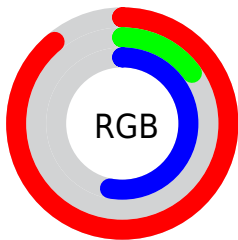
Format	Color
R_{YB}	228, 38, 136
Decimal	14952072
CIE Lab	51.45, 74.79, -6.39
CIE LCh	51, 75.064, 355.117
Yxy	19.6578, 0.4533, 0.2400
Android (android.graphics.Color)	4293142152 (0xFFE42688)
YUV	105.9820, 14.7989, 107.0098
Hunter-Lab	44.3371, 71.9024, -2.5690

Details

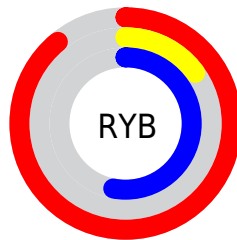
The XYZ color **37.1320, 19.6578, 25.1298** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **32.5738, 57.5114, 30.5091**, and the grayscale version is **13.6420, 14.3525, 15.6299**.

A 20% lighter version of the original color is **55.6830, 35.4495, 52.0517**, and **17.6161, 8.8874, 9.5911** is the 20% darker color. If you saturate the color by 10%, you get **35.8679, 18.3214, 21.0344**, and if you desaturate by 10%, it is **38.9236, 21.9199, 29.8002**.

Distribution



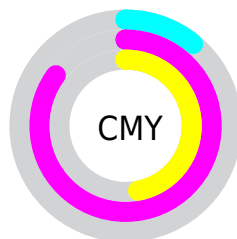
- Red (89%)
- Green (15%)
- Blue (53%)



- Red (89%)
- Yellow (15%)
- Blue (53%)



- Cyan (0%)
- Magenta (83%)
- Yellow (40%)
- Black (11%)





- Cyan (11%)
- Magenta (85%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1320, 19.6578, 25.1298 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 37.1320, 19.6578, 25.1298 by changing the saturation by 10% instead.

 37.1320, 19.6578,
25.1298


 37.1320, 19.6578,
25.1298


325.2273,
250.0565, 291.9521


 25.4839, 12.1465,
15.9539

 70.0883, 42.8427,
52.8344


 16.5686, 6.8436,
9.3375


 92.1271, 59.2852,
72.2003


 10.0208, 3.3645,
4.8622


 118.3602, 79.4735,
95.7998

 5.4751, 1.3248,
2.1093

 149.1529,
103.7920, 124.0516

 2.5662, 0.1603,
0.6213

 184.8707,
132.6252, 157.3742

 0.9288, 0.0000,
0.0000

225.8787,

 0.0000, 0.0000,

166.3574, 196.1861

0.0000

272.5425,
205.3730, 240.9059

■ 37.1320, 19.6578,
25.1298

■ 37.1320, 19.6578,
25.1298

■ 35.8679, 18.3214,
21.0344

■ 38.9236, 21.9199,
29.8002

■ 35.2406, 17.7923,
18.5890

■ 41.3143, 25.2469,
35.0805

■ 44.3651, 29.7575,
41.0023

■ 48.1288, 35.5538,
47.5937

■ 52.6526, 42.7268,
54.8807

■ 57.9792, 51.3589,
62.8875

■ 64.1484, 61.5262,
71.6368

■ 71.1969, 73.2994,
81.1503

■ 79.1594, 86.7449,
91.4485

Harmonies

Analogous

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



33.2484, 19.6578, 54.9363



37.1320, 19.6578, 25.1298



35.0905, 19.6578, 8.1908

Triad

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



37.1320, 19.6578, 25.1298



13.1897, 19.6578, 1.5358



11.5692, 19.6578, 76.5863

Complementary

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



37.1320, 19.6578, 25.1298



32.5738, 57.5114, 30.5091

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.



8.4048, 19.6578, 44.2579



37.1320, 19.6578, 25.1298



9.1491, 19.6578, 5.3734

Square

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



37.1320, 19.6578, 25.1298



19.9434, 19.6578, 0.9726



7.6557, 19.6578, 18.0660



17.4790, 19.6578, 94.9568

Rectangle

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



37.1320, 19.6578, 25.1298



30.8707, 19.6578, 3.4200



7.6557, 19.6578, 18.0660



10.2191, 19.6578, 66.2516

Sweetspot

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



37.1326, 19.6589, 25.1301



73.3974, 64.0196, 79.1012



23.8790, 11.7221, 74.4029



15.1794, 12.8406, 16.1400



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.



37.1326, 19.6589, 25.1301



45.3718, 22.9127, 23.6876



33.0921, 18.0427, 3.8531



14.6858, 14.4915, 16.5457



20.4095, 10.2980, 11.0512



1.5551, 0.7798, 1.0637

Inverse Universe

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



37.1326, 19.6589, 25.1301



45.3718, 22.9127, 23.6876



42.1113, 61.3264, 80.7329



14.6858, 14.4915, 16.5457



20.4095, 10.2980, 11.0512



1.5551, 0.7798, 1.0637

Previews

White Background



This preview shows how the XYZ color 37.1320, 19.6578, 25.1298 looks on a white background.

Color Contrast Check

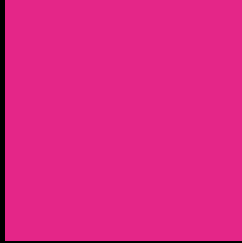
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1320, 19.6578, 25.1298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

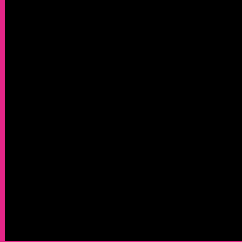
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.1320, 19.6578, 25.1298

Background



This preview shows how black text looks on a background with the XYZ color 37.1320, 19.6578, 25.1298.



This preview shows how white text looks on a background with the XYZ color 37.1320, 19.6578,

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

37.1320, 19.6578, 25.1298

Protanopia

21.1700, 20.0149, 50.3244

Deuteranopia

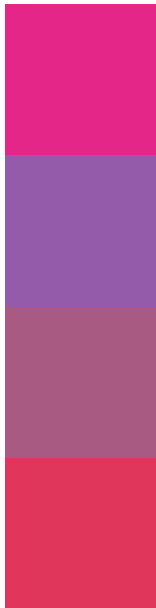
20.2591, 19.7943, 22.8316



Tritanopia

33.4721, 19.7840, 7.0555

Trichromacy



Original Color

37.1320, 19.6578, 25.1298

Protanomaly

22.9351, 16.5498, 39.5217

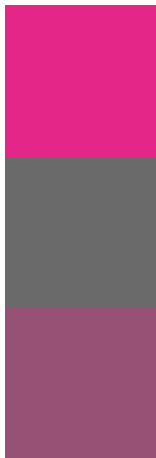
Deuteranomaly

23.8339, 17.2489, 23.1923

Tritanomaly

34.2588, 19.4012, 11.8367

Monochromacy



Original Color

37.1320, 19.6578, 25.1298

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

18.7310, 13.6532, 18.4777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1320, 19.6578, 25.1298 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(228, 38, 136)` looks like.

```
.text, #text, p{  
    color:rgb(228, 38, 136)  
}
```

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(228, 38, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 38, 136) }
```

Border

The CSS property to change the border of an element to XYZ 37.1320, 19.6578, 25.1298 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(228, 38, 136) }
```


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

```
.border{ border-color:rgb(228, 38, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 38, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 38, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 38, 136);  
box-shadow:4px 4px 4px 4px rgb(228, 38,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1320, 19.6578, 25.1298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 38, 136) }
```

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

```
.background{ background-color: rgb(228, 38,  
136) }
```

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