

Converting Colors

XYZ(37.4824, 19.5483, 13.2528)

Have a look what the booklet for
XYZ(37.4824, 19.5483, 13.2528)
contains.

XYZ(37.4563, 19.5396, 13.3526)	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(37.4563, 19.5396,
13.3526)**

Conversions

Conversions Part 1

Format	Color
Hex	ED1862
RGB	237, 24, 98
RGB Percent	93%, 9%, 38%
CMY	0.0706, 0.9058, 0.6157
CMYK	0.00, 0.90, 0.59, 0.07
HSL	339°, 86%, 51%
HSV	339°, 90%, 93%
XYZ	37.4563, 19.5396, 13.3526
YIQ	96.1230, 103.1940, 68.1700

Conversions

Conversions Part 2

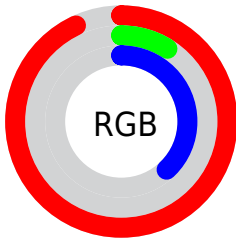
Format	Color
R_{YB}	237, 24, 98
Decimal	15538274
CIE Lab	51.31, 76.44, 16.69
CIE LCh	51, 78.238, 12.318
Yxy	19.5396, 0.5324, 0.2778
Android (android.graphics.Color)	4293728354 (0xFFED1862)
YUV	96.1230, 0.9254, 123.5491
Hunter-Lab	44.2036, 73.8971, 13.0328

Details

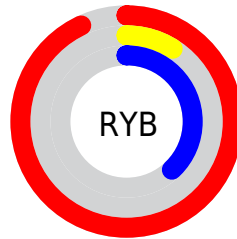
The XYZ color **37.4563, 19.5396, 13.3526** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **37.2749, 63.4081, 44.9383**, and the grayscale version is **11.1320, 11.7117, 12.7540**.

A 20% lighter version of the original color is **51.2390, 32.7055, 31.6292**, and **17.8534, 9.1322, 4.0705** is the 20% darker color. If you saturate the color by 10%, you get **36.4718, 18.6289, 9.7627**, and if you desaturate by 10%, it is **38.9779, 21.2991, 17.8182**.

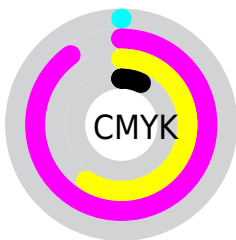
Distribution



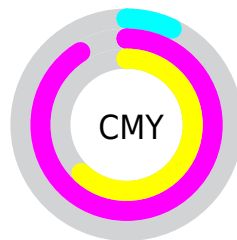
- Red (93%)
- Green (9%)
- Blue (38%)



- Red (93%)
- Yellow (9%)
- Blue (38%)



- Cyan (0%)
- Magenta (90%)
- Yellow (59%)
- Black (7%)





- Cyan (7%)
- Magenta (91%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4563, 19.5396, 13.3526 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 37.4563, 19.5396, 13.3526 by changing the saturation by 10% instead.


 37.4563, 19.5396,
13.3526

 37.4563, 19.5396,
13.3526

326.6032,
249.4117, 224.4519


 25.7363, 12.0608,
7.5382


 70.5833, 42.6439,
32.6362

 16.7581, 6.7851,
3.7174


 92.7210, 59.0383,
46.9426


 10.1564, 3.3281,
1.4716


 119.0620, 79.1733,
64.9166

 5.5658, 1.3053,
0.1967

 149.9715,
103.4333, 86.9770

 2.6211, 0.1453,
0.0000

 185.8151,
132.2027, 113.5421

 0.9567, 0.0000,
0.0000

 226.9580,

 0.0000, 0.0000,

165.8660, 145.0306

0.0000

273.7656,
204.8076, 181.8610

■ 37.4563, 19.5396,
13.3526

■ 37.4563, 19.5396,
13.3526

■ 36.4718, 18.6289,
9.7627

■ 38.9779, 21.2991,
17.8182

■ 36.4600, 18.6185,
9.7181

■ 41.1638, 24.1490,
23.2385

■ 44.0939, 28.2382,
29.6747

■ 47.8355, 33.6911,
37.1815

■ 52.4483, 40.6169,
45.8091

■ 57.9859, 49.1135,
55.6042

■ 64.4974, 59.2705,
66.6108

■ 72.0286, 71.1704,
78.8701

■ 80.6219, 84.8906,
92.4216

Harmonies

Analogous

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



36.8785, 19.5396, 37.2024



37.4563, 19.5396, 13.3526



32.0429, 19.5396, 3.4656

Triad

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



37.4563, 19.5396, 13.3526



10.1821, 19.5396, 2.6839



14.3722, 19.5396, 94.2379

Complementary

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



37.4563, 19.5396, 13.3526



37.2749, 63.4081, 44.9383

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.



9.5306, 19.5396, 65.3802



37.4563, 19.5396, 13.3526



7.6202, 19.5396, 10.6999

Square

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



37.4563, 19.5396, 13.3526



15.5474, 19.5396, 0.8413



7.4211, 19.5396, 31.8385



21.9650, 19.5396, 97.0765

Rectangle

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



37.4563, 19.5396, 13.3526



26.4621, 19.5396, 1.3927



7.4211, 19.5396, 31.8385



12.4301, 19.5396, 86.6507

Sweetspot

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



37.4568, 19.5408, 13.3529



70.4713, 61.0974, 69.0931



30.6072, 14.4985, 81.3058



14.5537, 12.2555, 13.8773



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.



37.4568, 19.5408, 13.3529



43.0251, 21.9740, 11.3303



36.5031, 20.8965, 2.9753



15.2815, 15.1404, 16.7675



19.9617, 10.1874, 5.5999



1.6114, 0.8175, 0.6712

Inverse Universe

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



37.4568, 19.5408, 13.3529



43.0251, 21.9740, 11.3303



37.5077, 49.9975, 87.7941



15.2815, 15.1404, 16.7675



19.9617, 10.1874, 5.5999



1.6114, 0.8175, 0.6712

Previews

White Background



This preview shows how the XYZ color 37.4563, 19.5396, 13.3526 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 37.4563, 19.5396, 13.3526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

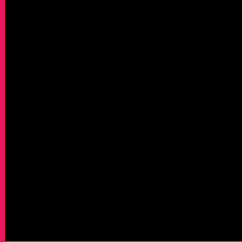
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.4563, 19.5396, 13.3526

Background



This preview shows how black text looks on a background with the XYZ color 37.4563, 19.5396, 13.3526.

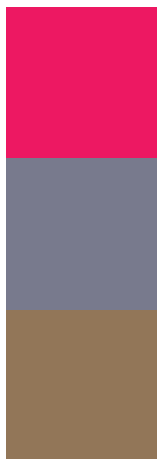


This preview shows how white text looks on a background with the XYZ color 37.4563, 19.5396,

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

37.4563, 19.5396, 13.3526

Protanopia

19.5130, 19.8352, 27.9994

Deuteranopia

20.0939, 19.7724, 11.9899



Tritanopia

35.5977, 19.6379, 4.1998

Trichromacy



Original Color

37.4563, 19.5396, 13.3526



Protanomaly

22.1337, 15.9228, 21.3089



Deuteranomaly

23.6925, 16.6971, 12.0993



Tritanomaly

36.1508, 19.5149, 6.5640

Monochromacy



Original Color

37.4563, 19.5396, 13.3526



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

16.3804, 11.4464, 12.6553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4563, 19.5396, 13.3526 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(237, 24, 98)` looks like.

```
.text, #text, p{  
    color:rgb(237, 24, 98)  
}
```

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(237, 24, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 24, 98) }
```

Border

The CSS property to change the border of an element to XYZ 37.4563, 19.5396, 13.3526 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(237, 24, 98) }
```


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

```
.border{ border-color:rgb(237, 24, 98) }
```

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

Here you see how a box with a 4 pixel rgb(237, 24, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 24, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 24, 98);  
box-shadow:4px 4px 4px 4px rgb(237, 24,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4563, 19.5396, 13.3526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 24, 98) }
```

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

```
.background{ background-color: rgb(237, 24,  
98) }
```

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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