

Converting Colors

XYZ(36.3080, 19.9619, 12.5165)

Have a look what the booklet for
XYZ(36.3080, 19.9619, 12.5165)
contains.

XYZ(36.2761, 19.9179, 12.5223)	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(36.2761, 19.9179,
12.5223)**

Conversions

Conversions Part 1

Format	Color
Hex	E82E5E
RGB	232, 46, 94
RGB Percent	91%, 18%, 37%
CMY	0.0902, 0.8195, 0.6314
CMYK	0.00, 0.80, 0.59, 0.09
HSL	345°, 80%, 55%
HSV	345°, 80%, 91%
XYZ	36.2761, 19.9179, 12.5223
YIQ	107.0860, 95.4480, 54.3600

Conversions

Conversions Part 2

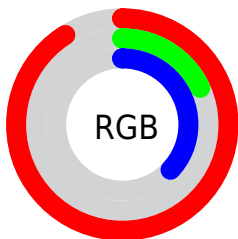
Format	Color
RYB	232, 46, 94
Decimal	15216222
CIELab	51.74, 70.68, 19.54
CIELCh	52, 73.336, 15.453
Yxy	19.9179, 0.5279, 0.2899
Android (android.graphics.Color)	4293406302 (0xFFE82E5E)
YUV	107.0860, -6.4514, 109.5496
Hunter-Lab	44.6295, 66.9883, 14.6048

Details

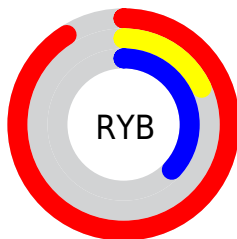
The XYZ color **36.2761, 19.9179, 12.5223** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **38.6371, 61.7555, 55.2389**, and the grayscale version is **13.9996, 14.7287, 16.0395**.

A 20% lighter version of the original color is **51.9585, 34.6425, 30.3337**, and **16.9166, 8.6568, 3.6851** is the 20% darker color. If you saturate the color by 10%, you get **34.9133, 18.2940, 8.6727**, and if you desaturate by 10%, it is **38.3011, 22.5909, 17.4428**.

Distribution



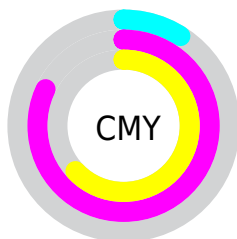
- Red (91%)
- Green (18%)
- Blue (37%)



- Red (91%)
- Yellow (18%)
- Blue (37%)



- Cyan (0%)
- Magenta (80%)
- Yellow (59%)
- Black (9%)





- Cyan (9%)
- Magenta (82%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2761, 19.9179, 12.5223 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 36.2761, 19.9179, 12.5223 by changing the saturation by 10% instead.


 36.2761, 19.9179,
12.5223


 36.2761, 19.9179,
12.5223


321.5759,
251.4703, 218.9323


 24.8186, 12.3354,
6.9736


 68.7791, 43.2795,
31.1214

 16.0700, 6.9725,
3.3674


 90.5553, 59.8274,
45.0088


 9.6648, 3.4449,
1.2852


 116.5018, 80.1325,
62.5129

 5.2379, 1.3682,
0.0496

 146.9839,
104.5792, 84.0522

 2.4237, 0.1931,
0.0000

 182.3671,
133.5519, 110.0453

 0.8569, 0.0000,
0.0000

223.0165,

 0.0000, 0.0000,

167.4351, 140.9106

0.0000

269.2977,
206.6131, 177.0668

■ 36.2761, 19.9179,
12.5223

■ 36.2761, 19.9179,
12.5223

■ 34.9133, 18.2940,
8.6727

■ 38.3011, 22.5909,
17.4428


■ 34.0904, 17.4805,
5.8326


■ 41.0664, 26.4520,
23.5118


■ 44.6403, 31.6222,
30.7997


■ 49.0825, 38.2067,
39.3711

■ 54.4471, 46.2999,
49.2854

 60.7834, 55.9880,
60.5983

 68.1374, 67.3508,
73.3624

 76.5518, 80.4624,
87.6273

 86.0673, 95.3928,
103.4404

Harmonies

Analogous

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



36.3661, 19.9179, 33.6514



36.2761, 19.9179, 12.5223



30.8038, 19.9179, 3.6583

Triad

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



36.2761, 19.9179, 12.5223



10.4769, 19.9179, 3.7994



15.5698, 19.9179, 90.1267

Complementary

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



36.2761, 19.9179, 12.5223



38.6371, 61.7555, 55.2389

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.



10.5847, 19.9179, 65.7701



36.2761, 19.9179, 12.5223



8.2092, 19.9179, 12.9595

Square

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



36.2761, 19.9179, 12.5223



15.3796, 19.9179, 1.3348



8.2427, 19.9179, 34.4938



22.9918, 19.9179, 89.6957

Rectangle

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



36.2761, 19.9179, 12.5223



25.4970, 19.9179, 1.7108



8.2427, 19.9179, 34.4938



13.6023, 19.9179, 84.1076

Sweetspot

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



36.2766, 19.9191, 12.5226



72.0691, 64.3873, 69.3349



34.9299, 17.7757, 77.9337



14.8311, 12.8731, 13.7761



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.



36.2766, 19.9191, 12.5226



42.5653, 21.9673, 8.3628



37.3788, 24.5666, 5.3581



14.5288, 14.4287, 15.7193



18.9693, 9.7219, 3.4671



1.4389, 0.7333, 0.4518

Inverse Universe

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



36.2766, 19.9191, 12.5226



42.5653, 21.9673, 8.3628



33.8052, 42.6321, 82.7907



14.5288, 14.4287, 15.7193



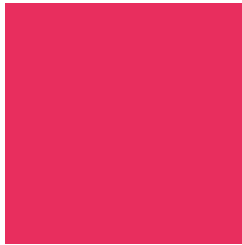
18.9693, 9.7219, 3.4671



1.4389, 0.7333, 0.4518

Previews

White Background



This preview shows how the XYZ color 36.2761, 19.9179, 12.5223 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 36.2761, 19.9179, 12.5223 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 36.2761, 19.9179, 12.5223

Background



This preview shows how black text looks on a background with the XYZ color 36.2761, 19.9179, 12.5223.



This preview shows how white text looks on a background with the XYZ color 36.2761, 19.9179,

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

36.2761, 19.9179, 12.5223

Protanopia

19.5029, 20.1109, 23.6228

Deuteranopia

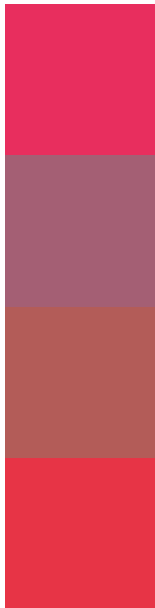
20.4493, 20.1454, 11.4050



Tritanopia

34.7378, 19.8508, 5.8716

Trichromacy



Original Color

36.2761, 19.9179, 12.5223

Protanomaly

22.5544, 17.3379, 18.6808

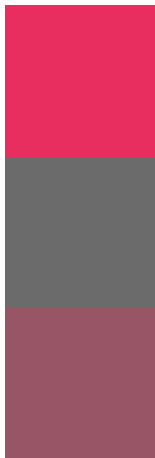
Deuteranomaly

24.1790, 17.9426, 11.4214

Tritanomaly

35.2885, 19.8871, 7.7730

Monochromacy



Original Color

36.2761, 19.9179, 12.5223

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

18.5957, 14.1317, 14.3180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2761, 19.9179, 12.5223 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(232, 46, 94)` looks like.

```
.text, #text, p{  
    color:rgb(232, 46, 94)  
}
```

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(232, 46, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 46, 94) }
```

Border

The CSS property to change the border of an element to XYZ 36.2761, 19.9179, 12.5223 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(232, 46, 94) }
```


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

```
.border{ border-color:rgb(232, 46, 94) }
```

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

Here you see how a box with a 4 pixel rgb(232, 46, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 46, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 46, 94);  
box-shadow:4px 4px 4px 4px rgb(232, 46,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2761, 19.9179, 12.5223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 46, 94) }
```

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

```
.background{ background-color: rgb(232, 46,  
94) }
```

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