

Converting Colors

XYZ(36.9960, 24.2714, 13.0909)

Have a look what the booklet for
XYZ(36.9960, 24.2714, 13.0909)
contains.

XYZ(36.9960, 24.2714, 13.0909)	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(36.9960, 24.2714,
13.0909)**

Conversions

Conversions Part 1

Format	Color
Hex	E25A5D
RGB	226, 90, 93
RGB Percent	89%, 35%, 36%
CMY	0.1137, 0.6470, 0.6353
CMYK	0.00, 0.60, 0.59, 0.11
HSL	359°, 70%, 62%
HSV	359°, 60%, 89%
XYZ	36.9960, 24.2714, 13.0909
YIQ	131.0060, 80.0930, 29.7650

Conversions

Conversions Part 2

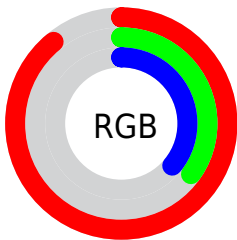
Format	Color
RYB	226, 90, 93
Decimal	14834269
CIELab	56.36, 53.18, 26.04
CIELCh	56, 59.215, 26.094
Yxy	24.2714, 0.4975, 0.3264
Android (android.graphics.Color)	4293024349 (0xFFE25A5D)
YUV	131.0060, -18.7370, 83.3097
Hunter-Lab	49.2660, 47.8279, 18.7317

Details

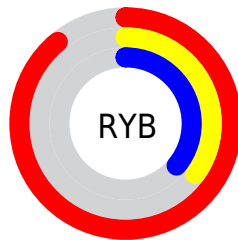
The XYZ color **36.9960, 24.2714, 13.0909** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **44.7337, 61.8946, 79.4061**, and the grayscale version is **21.6213, 22.7473, 24.7718**.

A 20% lighter version of the original color is **56.3233, 43.4940, 31.4132**, and **16.5467, 9.2376, 3.6003** is the 20% darker color. If you saturate the color by 10%, you get **34.5295, 20.6853, 8.1169**, and if you desaturate by 10%, it is **40.3259, 29.1319, 19.7485**.

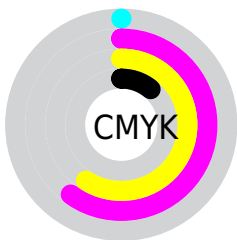
Distribution



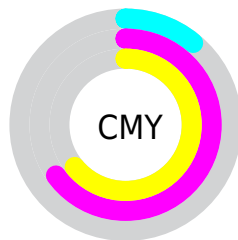
- Red (89%)
- Green (35%)
- Blue (36%)



- Red (89%)
- Yellow (35%)
- Blue (36%)



- Cyan (0%)
- Magenta (60%)
- Yellow (59%)
- Black (11%)





- Cyan (11%)
- Magenta (65%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9960, 24.2714, 13.0909 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 36.9960, 24.2714, 13.0909 by changing the saturation by 10% instead.


 36.9960, 24.2714,
13.0909


 36.9960, 24.2714,
13.0909


324.6490,
274.1897, 222.7277


 25.3781, 15.5351,
7.3597


 69.8805, 50.4727,
32.1606

 16.4892, 9.1958,
3.6062


 91.8778, 68.7065,
46.3361

 9.9640, 4.8691,
1.4119


 118.0655, 90.8749,
64.1636

 5.4372, 2.1707,
0.1510

 148.8091,
117.3623, 86.0614

 2.5434, 0.7039,
0.0000

184.4739,
148.5531, 112.4482

 0.9172, 0.0000,
0.0000

225.4253,

 0.0000, 0.0000,

184.8316, 143.7425

0.0000

272.0285,
226.5824, 180.3628

■ 36.9960, 24.2714,
13.0909

■ 36.9960, 24.2714,
13.0909

■ 34.5295, 20.6853,
8.1169

■ 40.3259, 29.1319,
19.7485

■ 32.8451, 18.2509,
4.6748

■ 44.5871, 35.3669,
28.2210

■ 31.8491, 16.8282,
2.5879

■ 49.8429, 43.0710,
38.6281

■ 31.3911, 16.1796,
1.6113

■ 56.1505, 52.3294,
51.0789

■ 63.5626, 63.2207,
65.6743

■ 72.1287, 75.8184,
82.5089

■ 81.8950, 90.1914,
101.6711

■ 85.1739, 94.9087,
108.4378

Harmonies

Analogous

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



38.8181, 24.2714, 29.0749



36.9960, 24.2714, 13.0909



31.2027, 24.2714, 5.8833

Triad

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



36.9960, 24.2714, 13.0909



13.7921, 24.2714, 10.5031



22.1856, 24.2714, 84.5554

Complementary

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



36.9960, 24.2714, 13.0909



44.7337, 61.8946, 79.4061

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.



16.4884, 24.2714, 71.5777



36.9960, 24.2714, 13.0909



12.2865, 24.2714, 23.9457

Square

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



36.9960, 24.2714, 13.0909



17.7591, 24.2714, 4.9910



13.1666, 24.2714, 46.6747



29.3446, 24.2714, 76.6755

Rectangle

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



36.9960, 24.2714, 13.0909



26.3735, 24.2714, 4.1445



13.1666, 24.2714, 46.6747



20.0532, 24.2714, 82.3694

Sweetspot

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



36.9966, 24.2727, 13.0913



75.7116, 71.5686, 70.8684



47.3453, 28.2502, 74.9086



15.6352, 14.4811, 14.0447



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.



36.9966, 24.2727, 13.0913



44.8039, 26.3316, 9.4570



44.6782, 39.8439, 15.0106



13.7194, 13.7054, 14.2926



17.9144, 9.2328, 0.9491



1.2461, 0.6417, 0.0888

Inverse Universe

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



36.9966, 24.2727, 13.0913



44.8039, 26.3316, 9.4570



30.9598, 33.6953, 76.8233



13.7194, 13.7054, 14.2926



17.9144, 9.2328, 0.9491



1.2461, 0.6417, 0.0888

Previews

White Background



This preview shows how the XYZ color 36.9960, 24.2714, 13.0909 looks on a white background.

Color Contrast Check

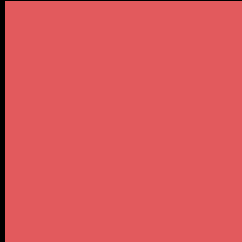
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9960, 24.2714, 13.0909 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 36.9960, 24.2714, 13.0909

Background



This preview shows how black text looks on a background with the XYZ color 36.9960, 24.2714, 13.0909.



This preview shows how white text looks on a background with the XYZ color 36.9960, 24.2714,

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

36.9960, 24.2714, 13.0909

Protanopia

22.9723, 24.3598, 19.1139

Deuteranopia

24.7666, 24.4237, 12.2130



Tritanopia

37.0858, 24.3073, 13.5636

Trichromacy



Original Color

36.9960, 24.2714, 13.0909

Protanomaly

26.4319, 23.1185, 16.7049

Deuteranomaly

28.1836, 23.4218, 12.4866

Tritanomaly

37.0406, 24.2892, 13.3257

Monochromacy



Original Color

36.9960, 24.2714, 13.0909

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

25.1822, 21.8821, 19.7261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9960, 24.2714, 13.0909 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(226, 90, 93)` looks like.

```
.text, #text, p{  
  color:rgb(226, 90, 93)  
}
```

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(226, 90, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 90, 93) }
```

Border

The CSS property to change the border of an element to XYZ 36.9960, 24.2714, 13.0909 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(226, 90, 93) }
```


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

```
.border{ border-color:rgb(226, 90, 93) }
```

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

Here you see how a box with a 4 pixel rgb(226, 90, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 90, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 90, 93);  
box-shadow:4px 4px 4px 4px rgb(226, 90,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9960, 24.2714, 13.0909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 90, 93) }
```

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

```
.background{ background-color: rgb(226, 90,  
93) }
```

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