

Converting Colors

XYZ(36.9674, 22.5853, 17.2909)

Have a look what the booklet for
XYZ(36.9674, 22.5853, 17.2909)
contains.

XYZ(37.0775, 22.6256, 17.1648)	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(37.0775, 22.6256,
17.1648)**

Conversions

Conversions Part 1

Format	Color
Hex	E34C6E
RGB	227, 76, 110
RGB Percent	89%, 30%, 43%
CMY	0.1098, 0.7019, 0.5686
CMYK	0.00, 0.67, 0.52, 0.11
HSL	346°, 73%, 59%
HSV	346°, 67%, 89%
XYZ	37.0775, 22.6256, 17.1648
YIQ	125.0250, 79.0820, 42.5860

Conversions

Conversions Part 2

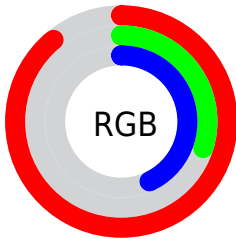
Format	Color
R_{YB}	227, 76, 110
Decimal	14896238
CIE _{Lab}	54.68, 60.66, 13.83
CIE _{LCh}	55, 62.219, 12.842
Yxy	22.6256, 0.4824, 0.2943
Android (android.graphics.Color)	4293086318 (0xFFE34C6E)
YUV	125.0250, -7.4073, 89.4321
Hunter-Lab	47.5664, 55.8978, 11.9011

Details

The XYZ color **37.0775, 22.6256, 17.1648** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **40.0769, 60.3256, 59.9890**, and the grayscale version is **19.5081, 20.5240, 22.3507**.

A 20% lighter version of the original color is **56.0606, 40.6083, 38.6017**, and **16.6231, 8.4659, 5.4606** is the 20% darker color. If you saturate the color by 10%, you get **34.9155, 19.6853, 12.1790**, and if you desaturate by 10%, it is **39.9822, 26.7474, 23.3364**.

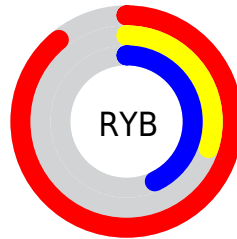
Distribution



Red (89%)

Green (30%)

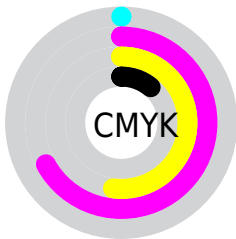
Blue (43%)



Red (89%)

Yellow (30%)

Blue (43%)

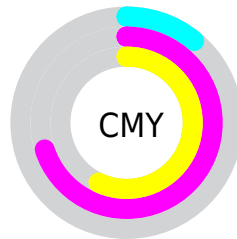


Cyan (0%)

Magenta (67%)

Yellow (52%)

Black (11%)



Cyan (11%)

Magenta (70%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0775, 22.6256, 17.1648 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 37.0775, 22.6256, 17.1648 by changing the saturation by 10% instead.


 37.0775, 22.6256,
17.1648


 37.0775, 22.6256,
17.1648


324.9956,
265.7961, 248.1963


 25.4415, 14.3173,
10.1889


 70.0050, 47.7778,
39.4034


 16.5367, 8.3417,
5.4171


 92.0272, 65.3905,
55.5032


 9.9980, 4.3144,
2.4310


 118.2421, 86.8735,
75.4813

 5.4599, 1.8509,
0.8033

 149.0152,
112.6112, 99.7564

 2.5570, 0.5186,
0.0000

 184.7117,
142.9878, 128.7468

 0.9241, 0.0000,
0.0000

225.6971,

 0.0000, 0.0000,

178.3880, 162.8713

0.0000

272.3366,
219.1959, 202.5483

■ 37.0775, 22.6256,
17.1648

■ 37.0775, 22.6256,
17.1648

■ 34.9155, 19.6853,
12.1790

■ 39.9822, 26.7474,
23.3364

■ 33.4222, 17.7961,
8.2980

■ 43.6905, 32.1553,
30.7647

■ 32.5086, 16.8003,
5.4306

■ 48.2586, 38.9467,
39.5162

■ 32.2783, 16.5708,
4.6410

■ 53.7372, 47.2085,
49.6522

■ 60.1731, 57.0205,
61.2300

67.6095, 68.4567,
74.3038

76.0873, 81.5863,
88.9248

84.8067, 94.7981,
104.8625

85.4885, 95.0708,
108.4525

Harmonies

Analogous

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



36.7095, 22.6256, 37.5273



37.0775, 22.6256, 17.1648



32.6838, 22.6256, 6.8549

Triad

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



37.0775, 22.6256, 17.1648



13.7328, 22.6256, 6.0336



17.8477, 22.6256, 81.1341

Complementary

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



37.0775, 22.6256, 17.1648



40.0769, 60.3256, 59.9890

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.



13.2190, 22.6256, 60.2294



37.0775, 22.6256, 17.1648



11.2131, 22.6256, 15.0965

Square

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



37.0775, 22.6256, 17.1648



18.7076, 22.6256, 3.1209



11.0475, 22.6256, 34.0093



24.5681, 22.6256, 82.7732

Rectangle

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



37.0775, 22.6256, 17.1648



28.0965, 22.6256, 4.0045



11.0475, 22.6256, 34.0093



16.0345, 22.6256, 75.7660

Sweetspot

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



37.0781, 22.6269, 17.1652



75.1605, 69.3768, 74.0442



38.1299, 21.8926, 74.8889



15.5805, 14.0766, 14.9364



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.



37.0781, 22.6269, 17.1652



44.5780, 24.4893, 13.6682



39.2603, 29.4068, 10.4461



14.5092, 14.4209, 15.6158



18.8612, 9.6787, 2.8980



1.4285, 0.7291, 0.3969

Inverse Universe

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



37.0781, 22.6269, 17.1652



44.5780, 24.4893, 13.6682



34.5607, 42.5115, 79.0569



14.5092, 14.4209, 15.6158



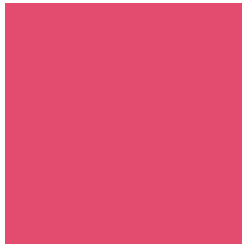
18.8612, 9.6787, 2.8980



1.4285, 0.7291, 0.3969

Previews

White Background



This preview shows how the XYZ color 37.0775, 22.6256, 17.1648 looks on a white background.

Color Contrast Check

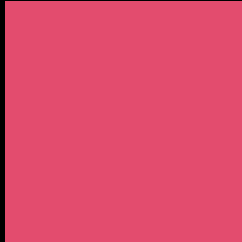
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0775, 22.6256, 17.1648 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 37.0775, 22.6256, 17.1648

Background



This preview shows how black text looks on a background with the XYZ color 37.0775, 22.6256, 17.1648.



This preview shows how white text looks on a background with the XYZ color 37.0775, 22.6256,

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

37.0775, 22.6256, 17.1648

Protanopia

22.2195, 22.9731, 27.3079

Deuteranopia

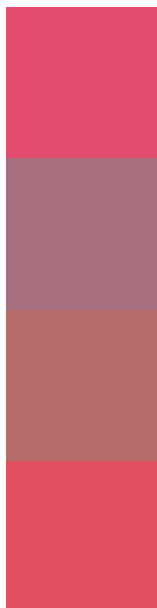
23.2355, 22.7710, 16.0026



Tritanopia

35.9862, 22.7255, 11.2939

Trichromacy



Original Color

37.0775, 22.6256, 17.1648

Protanomaly

25.5171, 21.1429, 23.1582

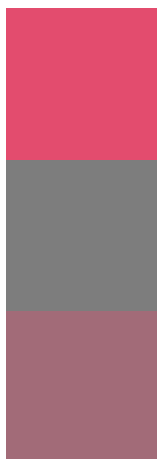
Deuteranomaly

27.0201, 21.5895, 16.3787

Tritanomaly

36.2256, 22.5869, 13.2769

Monochromacy



Original Color

37.0775, 22.6256, 17.1648

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

23.5482, 19.5528, 20.3023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0775, 22.6256, 17.1648 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(227, 76, 110)` looks like.

```
.text, #text, p{  
    color:rgb(227, 76, 110)  
}
```

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(227, 76, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 76, 110) }
```

Border

The CSS property to change the border of an element to XYZ 37.0775, 22.6256, 17.1648 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(227, 76, 110) }
```


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

```
.border{ border-color:rgb(227, 76, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 76, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 76, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 76, 110);  
box-shadow:4px 4px 4px 4px rgb(227, 76,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0775, 22.6256, 17.1648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 76, 110) }
```

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

```
.background{ background-color: rgb(227, 76,  
110) }
```

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