

Converting Colors

XYZ(40.7127, 28.0190, 16.3022)

Have a look what the booklet for
XYZ(40.7127, 28.0190, 16.3022)
contains.

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Color

**XYZ(40.7277, 28.0559,
16.3654)**

Conversions

Conversions Part 1

Format	Color
Hex	E86868
RGB	232, 104, 104
RGB Percent	91%, 41%, 41%
CMY	0.0902, 0.5921, 0.5922
CMYK	0.00, 0.55, 0.55, 0.09
HSL	0°, 74%, 66%
HSV	0°, 55%, 91%
XYZ	40.7277, 28.0559, 16.3654
YIQ	142.2720, 76.2880, 27.1360

Conversions

Conversions Part 2

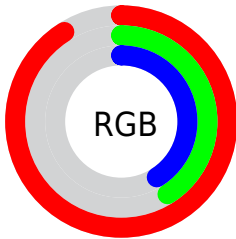
Format	Color
R_{YB}	232, 104, 104
Decimal	15231080
CIE _{Lab}	59.94, 49.63, 24.59
CIE _{LCh}	60, 55.388, 26.360
Yxy	28.0559, 0.4783, 0.3295
Android (android.graphics.Color)	4293421160 (0xFFE86868)
YUV	142.2720, -18.8681, 78.6915
Hunter-Lab	52.9678, 44.5575, 18.7587

Details

The XYZ color **40.7277, 28.0559, 16.3654** is a dark color, and the websafe version is hex **FF6666**. A complement of this color would be **49.1289, 66.4782, 86.5858**, and the grayscale version is **25.8711, 27.2184, 29.6408**.

A 20% lighter version of the original color is **59.5545, 48.4228, 37.2180**, and **18.6737, 11.2345, 5.0552** is the 20% darker color. If you saturate the color by 10%, you get **37.6846, 23.6034, 10.3152**, and if you desaturate by 10%, it is **44.7385, 33.9254, 24.3376**.

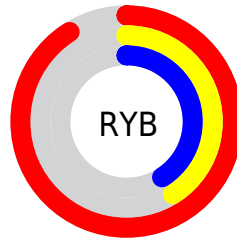
Distribution



Red (91%)

Green (41%)

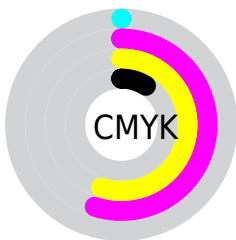
Blue (41%)



Red (91%)

Yellow (41%)

Blue (41%)

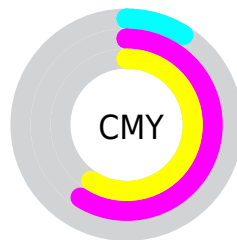


Cyan (0%)

Magenta (55%)

Yellow (55%)

Black (9%)



Cyan (9%)


Magenta (59%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.7277, 28.0559, 16.3654 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 40.7277, 28.0559, 16.3654 by changing the saturation by 10% instead.


 40.7277, 28.0559,
16.3654


 40.7277, 28.0559,
16.3654

340.2633,
292.7339, 243.4072


 28.2931, 18.3678,
9.6259


 75.5477, 56.5737,
38.0070


 18.6883, 11.2144,
5.0493


 98.6638, 76.1721,
53.7462

 11.5479, 6.2112,
2.2170


 126.0711, 99.8429,
73.3224

 6.5067, 2.9739,
0.6841

 158.1350,
127.9702, 97.1541

 3.1991, 1.1181,
0.0000

195.2208,
160.9386, 125.6599

 1.2599, 0.0000,
0.0000

237.6939,

 0.1529, 0.0000,

199.1324, 159.2583

0.0000

285.9196,
242.9361, 198.3679

■ 0.0000, 0.0000,
0.0000

■ 40.7277, 28.0559,
16.3654

■ 40.7277, 28.0559,
16.3654

■ 37.6846, 23.6034,
10.3152

■ 44.7385, 33.9254,
24.3376

■ 35.5257, 20.4441,
6.0236

■ 49.7870, 41.3129,
34.3737

■ 34.1570, 18.4413,
3.3031

■ 55.9393, 50.3154,
46.6041

■ 33.4623, 17.4246,
1.9224

■ 63.2552, 61.0207,
61.1478

■ 33.2787, 17.1560,
1.5575

■ 71.7904, 73.5101,
78.1156

■ 81.5969, 87.8598,
97.6108

■ 87.0886, 95.8957,
108.5274

Harmonies

Analogous

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



42.5857, 28.0559, 33.0764



40.7277, 28.0559, 16.3654



34.8904, 28.0559, 8.3048

Triad

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



40.7277, 28.0559, 16.3654



16.9095, 28.0559, 13.7111



25.8160, 28.0559, 87.8716

Complementary

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



40.7277, 28.0559, 16.3654



49.1289, 66.4782, 86.5858

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.



19.8482, 28.0559, 75.5261



40.7277, 28.0559, 16.3654



15.3097, 28.0559, 28.1521

Square

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



40.7277, 28.0559, 16.3654



21.0961, 28.0559, 7.3140



16.2830, 28.0559, 51.1972



33.1396, 28.0559, 80.1168

Rectangle

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



40.7277, 28.0559, 16.3654



29.9877, 28.0559, 6.2388



16.2830, 28.0559, 51.1972



23.5996, 28.0559, 85.8342

Sweetspot

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



40.7284, 28.0574, 16.3659



76.5362, 72.9092, 72.0951



52.7944, 32.8827, 79.9080



15.9768, 15.0128, 14.6261



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.



40.7284, 28.0574, 16.3659



46.3328, 28.7126, 12.0528



49.7799, 46.1605, 19.3831



14.3771, 14.3681, 14.9200



18.4751, 9.5244, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



49.1289, 66.4782, 86.5858



57.7096, 80.7459, 107.1516



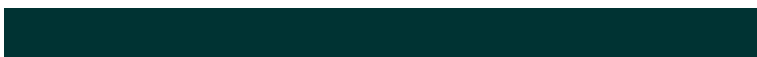
34.2771, 36.7746, 81.6352



14.8074, 16.3363, 18.5171



24.1043, 35.2707, 47.9207



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 40.7277, 28.0559, 16.3654 looks on a white background.

Color Contrast Check

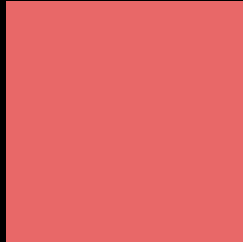
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.7277, 28.0559, 16.3654 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 40.7277, 28.0559, 16.3654

Background



This preview shows how black text looks on a background with the XYZ color 40.7277, 28.0559, 16.3654.



This preview shows how white text looks on a background with the XYZ color 40.7277, 28.0559,

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

40.7277, 28.0559, 16.3654

Protanopia

26.7751, 28.4282, 22.4884

Deuteranopia

28.6708, 28.2313, 15.4933



Tritanopia

40.9434, 27.9821, 17.9950

Trichromacy



Original Color

40.7277, 28.0559, 16.3654

Protanomaly

30.3685, 27.1482, 19.8592

Deuteranomaly

32.0092, 27.3111, 15.6411

Tritanomaly

40.8357, 27.9390, 17.4278

Monochromacy



Original Color

40.7277, 28.0559, 16.3654

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.2946, 26.1108, 23.9180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7277, 28.0559, 16.3654 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, 104, 104)` looks like.

```
.text, #text, p{  
    color:rgb(232, 104, 104)  
}
```

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, 104, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 104, 104) }
```

Border

The CSS property to change the border of an element to XYZ 40.7277, 28.0559, 16.3654 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, 104, 104) }
```


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

```
.border{ border-color:rgb(232, 104, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 104, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 104, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 104, 104);  
box-shadow:4px 4px 4px 4px rgb(232, 104,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7277, 28.0559, 16.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 104, 104) }
```

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

```
.background{ background-color: rgb(232,  
104, 104) }
```

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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