

Converting Colors

XYZ(37.9030, 24.3254, 9.3710)

Have a look what the booklet for
XYZ(37.9030, 24.3254, 9.3710)
contains.

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Color

**XYZ(37.8765, 24.3194,
9.3544)**

Conversions

Conversions Part 1

Format	Color
Hex	E8564B
RGB	232, 86, 75
RGB Percent	91%, 34%, 29%
CMY	0.0902, 0.6627, 0.7059
CMYK	0.00, 0.63, 0.68, 0.09
HSL	4°, 77%, 60%
HSV	4°, 68%, 91%
XYZ	37.8765, 24.3194, 9.3544
YIQ	128.4000, 90.5470, 27.5310

Conversions

Conversions Part 2

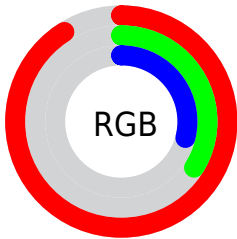
Format	Color
R_{YB}	232, 87, 75
Decimal	15226443
CIE _{Lab}	56.41, 55.85, 36.59
CIE _{LCh}	56, 66.765, 33.231
Yxy	24.3194, 0.5294, 0.3399
Android (android.graphics.Color)	4293416523 (0xFFE8564B)
YUV	128.4000, -26.3262, 90.8572
Hunter-Lab	49.3147, 50.7974, 23.2737

Details

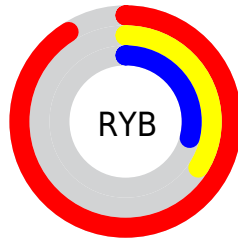
The XYZ color **37.8765, 24.3194, 9.3544** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **43.3211, 59.0301, 85.4541**, and the grayscale version is **20.7246, 21.8039, 23.7444**.

A 20% lighter version of the original color is **54.5511, 42.0612, 24.3123**, and **16.9232, 9.1820, 2.1087** is the 20% darker color. If you saturate the color by 10%, you get **35.7519, 21.1180, 5.4172**, and if you desaturate by 10%, it is **40.8112, 28.6786, 14.9896**.

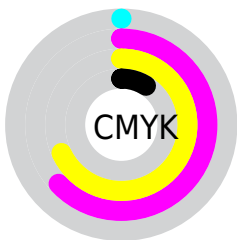
Distribution



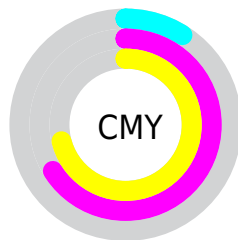
- Red (91%)
- Green (34%)
- Blue (29%)



- Red (91%)
- Yellow (34%)
- Blue (29%)



- Cyan (0%)
- Magenta (63%)
- Yellow (68%)
- Black (9%)





- Cyan (9%)
- Magenta (66%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8765, 24.3194, 9.3544 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 37.8765, 24.3194, 9.3544 by changing the saturation by 10% instead.

 37.8765, 24.3194,
9.3544


 37.8765, 24.3194,
9.3544


328.3799,
274.4313, 196.3145


 26.0636, 15.5707,
4.8731


 71.2239, 50.5509,
25.1624


 17.0042, 9.2209,
2.1156


 93.4892, 68.8025,
37.3263

 10.3328, 4.8855,
0.6250


 119.9693, 90.9906,
52.8880

 5.6841, 2.1803,
0.0000

 151.0296,
117.4995, 72.2662

 2.6928, 0.7092,
0.0000

 187.0355,
148.7136, 95.8794

 0.9935, 0.0000,
0.0000

228.3522,

 0.0000, 0.0000,

185.0174, 124.1462

0.0000

275.3453,
226.7951, 157.4850

■ 37.8765, 24.3194,
9.3544

■ 37.8765, 24.3194,
9.3544

■ 35.7519, 21.1180,
5.4172

■ 40.8112, 28.6786,
14.9896

■ 34.3543, 18.9603,
2.9857

■ 44.6251, 34.2876,
22.4844


■ 33.5816, 17.7146,
1.8044


■ 49.3816, 41.2338,
31.9831


■ 33.4678, 17.5343,
1.6205

■ 55.1379, 49.5956,
43.6153

■ 61.9466, 59.4454,
57.4997

 69.8565, 70.8506,
73.7463

 78.9136, 83.8745,
92.4580

 87.0885, 95.8957,
108.5274

Harmonies

Analogous

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



41.3146, 24.3194, 24.1569



37.8765, 24.3194, 9.3544



30.4608, 24.3194, 3.7773

Triad

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



37.8765, 24.3194, 9.3544



12.2388, 24.3194, 11.5836



23.9610, 24.3194, 95.5784

Complementary

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



37.8765, 24.3194, 9.3544



43.3211, 59.0301, 85.4541

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.



17.0564, 24.3194, 85.4069



37.8765, 24.3194, 9.3544



11.2420, 24.3194, 28.9468

Square

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



37.8765, 24.3194, 9.3544



15.9011, 24.3194, 4.4694



12.7941, 24.3194, 57.2524



32.2347, 24.3194, 80.2862

Rectangle

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



37.8765, 24.3194, 9.3544



24.9079, 24.3194, 2.7302



12.7941, 24.3194, 57.2524



21.4100, 24.3194, 95.0413

Sweetspot

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



37.8771, 24.3208, 9.3548



74.5917, 70.5249, 66.8080



48.9169, 27.4369, 71.4970



15.4462, 14.3440, 13.2394



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.



37.8771, 24.3208, 9.3548



43.5566, 25.0247, 5.3798



47.8180, 44.2027, 12.6684



14.4577, 14.5294, 14.9469



18.6129, 9.7999, 0.9106



1.4041, 0.7814, 0.0768

Inverse Universe

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



43.3211, 59.0301, 85.4541



50.6027, 70.4843, 105.5455



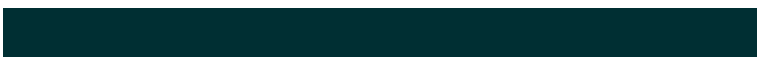
27.2946, 26.9770, 80.1119



14.7164, 16.1542, 18.4868



21.7195, 30.5010, 47.1257



1.6311, 2.3061, 3.4911

Previews

White Background



This preview shows how the XYZ color 37.8765, 24.3194, 9.3544 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 37.8765, 24.3194, 9.3544 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 37.8765, 24.3194, 9.3544

Background



This preview shows how black text looks on a background with the XYZ color 37.8765, 24.3194, 9.3544.



This preview shows how white text looks on a background with the XYZ color 37.8765, 24.3194,

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

37.8765, 24.3194, 9.3544

Protanopia

22.8126, 24.6017, 13.9022

Deuteranopia

24.7997, 24.3213, 8.6976



Tritanopia

38.5778, 24.3856, 12.1248

Trichromacy



Original Color

37.8765, 24.3194, 9.3544

Protanomaly

26.5182, 23.0937, 11.8640

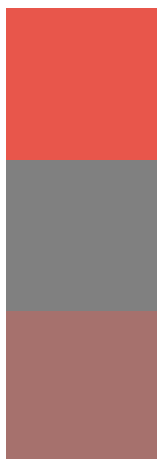
Deuteranomaly

28.4965, 23.3288, 8.7953

Tritanomaly

38.4530, 24.4607, 11.0822

Monochromacy



Original Color

37.8765, 24.3194, 9.3544

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

24.3913, 21.0214, 17.2400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8765, 24.3194, 9.3544 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, 86, 75)` looks like.

```
.text, #text, p{  
    color:rgb(232, 86, 75)  
}
```

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, 86, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 86, 75) }
```

Border

The CSS property to change the border of an element to XYZ 37.8765, 24.3194, 9.3544 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, 86, 75) }
```


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

```
.border{ border-color:rgb(232, 86, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 86, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 86, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 86, 75);  
box-shadow:4px 4px 4px 4px rgb(232, 86,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8765, 24.3194, 9.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 86, 75) }
```

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

```
.background{ background-color: rgb(232, 86,  
75) }
```

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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