

Converting Colors

XYZ(36.3832, 20.6075, 3.1378)

Have a look what the booklet for
XYZ(36.3832, 20.6075, 3.1378)
contains.

XYZ(36.4078, 20.6346, 3.1626)	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(36.4078, 20.6346,
3.1626)**

Conversions

Conversions Part 1

Format	Color
Hex	ED351C
RGB	237, 53, 28
RGB Percent	93%, 21%, 11%
CMY	0.0706, 0.7921, 0.8902
CMYK	0.00, 0.78, 0.88, 0.07
HSL	7°, 85%, 52%
HSV	7°, 88%, 93%
XYZ	36.4078, 20.6346, 3.1626
YIQ	105.1660, 117.6890, 31.2330

Conversions

Conversions Part 2

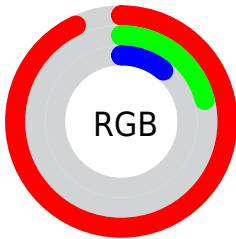
Format	Color
RYB	237, 56, 28
Decimal	15545628
CIELab	52.55, 67.66, 56.71
CIELCh	53, 88.282, 39.966
Yxy	20.6346, 0.6047, 0.3427
Android (android.graphics.Color)	4293735708 (0xFFED351C)
YUV	105.1660, -38.0428, 115.6184
Hunter-Lab	45.4253, 63.5711, 27.6698

Details

The XYZ color **36.4078, 20.6346, 3.1626** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **39.3047, 53.4409, 88.3638**, and the grayscale version is **13.5517, 14.2575, 15.5264**.

A 20% lighter version of the original color is **48.7103, 34.0573, 11.0276**, and **17.0133, 8.7707, 0.7962** is the 20% darker color. If you saturate the color by 10%, you get **35.4690, 19.0551, 1.9321**, and if you desaturate by 10%, it is **37.9786, 23.1311, 5.6767**.

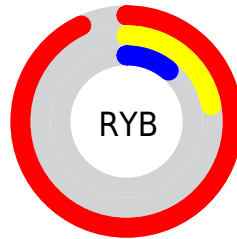
Distribution



Red (93%)

Green (21%)

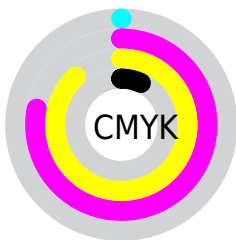
Blue (11%)



Red (93%)

Yellow (22%)

Blue (11%)

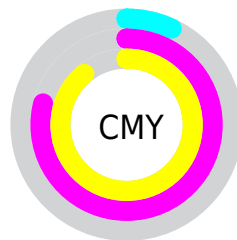


Cyan (0%)

Magenta (78%)

Yellow (88%)

Black (7%)



Cyan (7%)


Magenta (79%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4078, 20.6346, 3.1626 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 36.4078, 20.6346, 3.1626 by changing the saturation by 10% instead.


 36.4078, 20.6346,
3.1626


 36.4078, 20.6346,
3.1626


322.1397,
255.3302, 138.4054


 24.9209, 12.8572,
1.1782


 68.9808, 44.4786,
12.0271


 16.1465, 7.3303,
0.0000


 90.7976, 61.3140,
19.7443

 9.7194, 3.6695,
0.0000


 116.7884, 81.9375,
30.2096

 5.2741, 1.4905,
0.0000

 147.3185,
106.7334, 43.8414

 2.4454, 0.2820,
0.0000

 182.7533,
136.0863, 61.0584


 0.8678, 0.0000,
0.0000


 223.4583,


 0.0000, 0.0000,


170.3804, 82.2790


0.0000


 269.7986,
210.0003, 107.9218


 36.4078, 20.6346,
3.1626


 36.4078, 20.6346,
3.1626


 35.4690, 19.0551,
1.9321


 37.9786, 23.1311,
5.6767

 35.3488, 18.8523,
1.7758

 40.2776, 26.6560,
9.7511

 43.3818, 31.3073,
15.5862

 47.3579, 37.1702,
23.3523

 52.2655, 44.3220,
33.1993

■ 58.1589, 52.8331,
45.2625

■ 65.0884, 62.7691,
59.6658

■ 73.1004, 74.1913,
76.5237

■ 82.2390, 87.1573,
95.9435

Harmonies

Analogous

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



42.5230, 20.6346, 14.8321



36.4078, 20.6346, 3.1626



26.2728, 20.6346, 0.5354

Triad

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



36.4078, 20.6346, 3.1626



7.2986, 20.6346, 9.2564



22.8150, 20.6346, 117.4870

Complementary

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



36.4078, 20.6346, 3.1626



39.3047, 53.4409, 88.3638

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.



14.1853, 20.6346, 110.7307



36.4078, 20.6346, 3.1626



6.8932, 20.6346, 32.3558

Square

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



36.4078, 20.6346, 3.1626



10.3488, 20.6346, 1.7552



8.9886, 20.6346, 72.8070



33.2108, 20.6346, 87.3648

Rectangle

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



36.4078, 20.6346, 3.1626



19.6231, 20.6346, 0.1620



8.9886, 20.6346, 72.8070



19.6020, 20.6346, 119.7906

Sweetspot

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



36.4082, 20.6359, 3.1629



70.2763, 64.6881, 56.7556



47.3017, 23.6196, 64.7616



14.4760, 13.0318, 10.9795



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.



36.4082, 20.6359, 3.1629



41.7175, 22.2151, 2.0892



47.1717, 42.1628, 6.7507



15.2107, 15.3444, 15.6788



19.3484, 10.3911, 0.9859



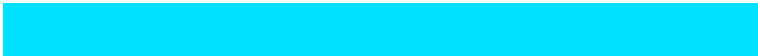
1.5668, 0.9110, 0.0933

Inverse Universe

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



39.3047, 53.4409, 88.3638



44.8349, 60.7898, 103.9783



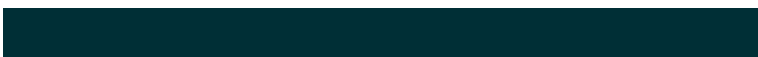
21.1398, 17.1112, 82.3088



15.3549, 16.7962, 19.3549



20.8094, 28.2657, 48.1020



1.6775, 2.3064, 3.7916

Previews

White Background



This preview shows how the XYZ color 36.4078, 20.6346, 3.1626 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 36.4078, 20.6346, 3.1626 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 36.4078, 20.6346, 3.1626

Background



This preview shows how black text looks on a background with the XYZ color 36.4078, 20.6346, 3.1626.



This preview shows how white text looks on a background with the XYZ color 36.4078, 20.6346,

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

36.4078, 20.6346, 3.1626

Protanopia

18.9190, 20.7739, 5.4952

Deuteranopia

20.8949, 20.5646, 2.8681



Tritanopia

36.7064, 20.6112, 5.1757

Trichromacy



Original Color

36.4078, 20.6346, 3.1626

Protanomaly

22.7325, 18.3003, 4.2536

Deuteranomaly

24.6405, 18.7711, 2.6117

Tritanomaly

36.5891, 20.6349, 4.3400

Monochromacy



Original Color

36.4078, 20.6346, 3.1626

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

17.8042, 13.9637, 8.7781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4078, 20.6346, 3.1626 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(237, 53, 28)` looks like.

```
.text, #text, p{  
    color:rgb(237, 53, 28)  
}
```

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(237, 53, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 53, 28) }
```

Border

The CSS property to change the border of an element to XYZ 36.4078, 20.6346, 3.1626 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(237, 53, 28) }
```


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

```
.border{ border-color:rgb(237, 53, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 53, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 53, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 53, 28);  
box-shadow:4px 4px 4px 4px rgb(237, 53,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4078, 20.6346, 3.1626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 53, 28) }
```

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

```
.background{ background-color: rgb(237, 53,  
28) }
```

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