

Converting Colors

XYZ(36.4398, 22.9625, 8.1176)

Have a look what the booklet for
XYZ(36.4398, 22.9625, 8.1176)
contains.

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Color

**XYZ(36.5760, 22.9900,
8.1400)**

Conversions

Conversions Part 1

Format	Color
Hex	E65045
RGB	230, 80, 69
RGB Percent	90%, 31%, 27%
CMY	0.0980, 0.6862, 0.7294
CMYK	0.00, 0.65, 0.70, 0.10
HSL	4°, 76%, 59%
HSV	4°, 70%, 90%
XYZ	36.5760, 22.9900, 8.1400
YIQ	123.5960, 92.9310, 28.3790

Conversions

Conversions Part 2

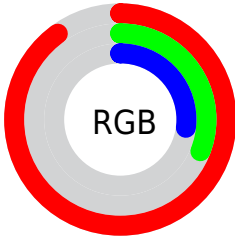
Format	Color
R _Y B	230, 81, 69
Decimal	15093829
CIE Lab	55.06, 57.38, 38.27
CIE LCh	55, 68.971, 33.700
Yxy	22.9900, 0.5402, 0.3396
Android (android.graphics.Color)	4293283909 (0xFFE65045)
YUV	123.5960, -26.9158, 93.3163
Hunter-Lab	47.9479, 52.2560, 23.4980

Details

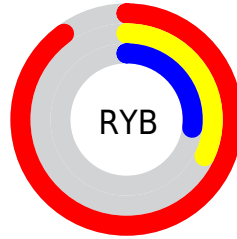
The XYZ color **36.5760, 22.9900, 8.1400** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **42.0663, 57.6366, 83.7703**, and the grayscale version is **19.0899, 20.0841, 21.8716**.

A 20% lighter version of the original color is **53.3142, 40.1763, 22.0844**, and **16.2209, 8.5208, 1.6539** is the 20% darker color. If you saturate the color by 10%, you get **34.6687, 20.1053, 4.6384**, and if you desaturate by 10%, it is **39.2610, 26.9881, 13.2654**.

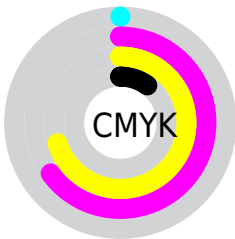
Distribution



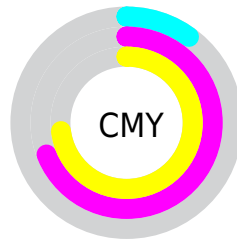
- Red (90%)
- Green (31%)
- Blue (27%)



- Red (90%)
- Yellow (32%)
- Blue (27%)



- Cyan (0%)
- Magenta (65%)
- Yellow (70%)
- Black (10%)





- Cyan (10%)
- Magenta (69%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5760, 22.9900, 8.1400 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 36.5760, 22.9900, 8.1400 by changing the saturation by 10% instead.


 36.5760, 22.9900,
8.1400


 36.5760, 22.9900,
8.1400


322.8587,
267.6736, 186.8014


 25.0515, 14.5861,
4.0956


 69.2383, 48.3769,
22.7831

 16.2444, 8.5294,
1.6779


 91.1068, 66.1287,
34.2189

 9.7892, 4.4355,
0.3455


 117.1540, 87.7653,
48.9557

 5.3206, 1.9201,
0.0000

 147.7454,
113.6711, 67.4118

 2.4733, 0.5604,
0.0000

 183.2461,
144.2304, 90.0059

 0.8818, 0.0000,
0.0000

224.0217,

 0.0000, 0.0000,

179.8277, 117.1565

0.0000

270.4374,
220.8473, 149.2822

■ 36.5760, 22.9900,
8.1400

■ 36.5760, 22.9900,
8.1400

■ 34.6687, 20.1053,
4.6384

■ 39.2610, 26.9881,
13.2654

■ 33.4540, 18.2176,
2.5638

■ 42.7936, 32.1930,
20.1783


■ 32.8142, 17.1855,
1.5877


■ 47.2379, 38.6928,
29.0238


■ 32.8142, 17.1854,
1.5876


■ 52.6512, 46.5664,
39.9318

■ 59.0861, 55.8863,
53.0208

 66.5914, 66.7197,
68.4004

 75.2129, 79.1301,
86.1729

 84.9936, 93.1768,
106.4343

 86.4429, 95.5629,
108.4972

Harmonies

Analogous

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



40.1394, 22.9900, 22.4022



36.5760, 22.9900, 8.1400



29.0657, 22.9900, 3.0423

Triad

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



36.5760, 22.9900, 8.1400



11.1098, 22.9900, 10.5849



22.8177, 22.9900, 95.3545

Complementary

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



36.5760, 22.9900, 8.1400



42.0663, 57.6366, 83.7703

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.



15.9419, 22.9900, 85.2735



36.5760, 22.9900, 8.1400



10.1831, 22.9900, 27.8604

Square

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



36.5760, 22.9900, 8.1400



14.6419, 22.9900, 3.7619



11.7277, 22.9900, 56.5765



31.1071, 22.9900, 79.2455

Rectangle

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



36.5760, 22.9900, 8.1400



23.5115, 22.9900, 2.1391



11.7277, 22.9900, 56.5765



20.2712, 22.9900, 94.9472

Sweetspot

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



36.5765, 22.9913, 8.1404



73.6937, 69.2143, 65.0119



47.5824, 26.2078, 69.7525



15.2706, 14.0870, 12.8902



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.



36.5765, 22.9913, 8.1404



43.0242, 24.1937, 4.4818



46.3185, 42.4752, 11.3877



14.4557, 14.5254, 14.9462



18.6090, 9.7922, 0.9093



1.4031, 0.7795, 0.0765

Inverse Universe

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



42.0663, 57.6366, 83.7703



50.2208, 70.2159, 105.5138



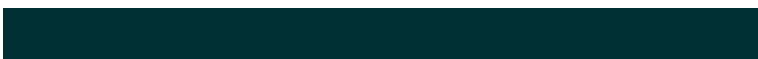
25.9361, 25.3762, 78.3936



14.7187, 16.1587, 18.4875



21.7760, 30.6142, 47.1446



1.6347, 2.3133, 3.4923

Previews

White Background



This preview shows how the XYZ color 36.5760, 22.9900, 8.1400 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 36.5760, 22.9900, 8.1400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

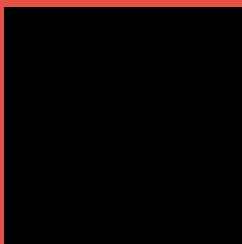
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5760, 22.9900, 8.1400

Background



This preview shows how black text looks on a background with the XYZ color 36.5760, 22.9900, 8.1400.



This preview shows how white text looks on a background with the XYZ color 36.5760, 22.9900,

8.1400.

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

36.5760, 22.9900, 8.1400

Protanopia

21.4732, 23.1199, 12.3477

Deuteranopia

23.5863, 23.1405, 7.4984



Tritanopia

37.2024, 23.0469, 10.4704

Trichromacy



Original Color

36.5760, 22.9900, 8.1400

Protanomaly

25.0323, 21.5034, 10.4206

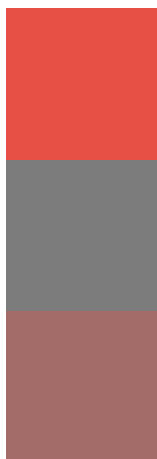
Deuteranomaly

27.1049, 21.9875, 7.5181

Tritanomaly

37.0905, 23.1167, 9.5283

Monochromacy



Original Color

36.5760, 22.9900, 8.1400

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

22.9655, 19.5111, 15.6523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5760, 22.9900, 8.1400 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(230, 80, 69)` looks like.

```
.text, #text, p{  
    color:rgb(230, 80, 69)  
}
```

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(230, 80, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 80, 69) }
```

Border

The CSS property to change the border of an element to XYZ 36.5760, 22.9900, 8.1400 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(230, 80, 69) }
```


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

```
.border{ border-color:rgb(230, 80, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 80, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 80, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 80, 69);  
box-shadow:4px 4px 4px 4px rgb(230, 80,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5760, 22.9900, 8.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 80, 69) }
```

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

```
.background{ background-color: rgb(230, 80,  
69) }
```

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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