

Converting Colors

XYZ(35.4781, 20.8009, 4.4956)

Have a look what the booklet for
XYZ(35.4781, 20.8009, 4.4956)
contains.

XYZ(35.4560, 20.7829, 4.5256)	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(35.4560, 20.7829,
4.5256)**

Conversions

Conversions Part 1

Format	Color
Hex	E83E2C
RGB	232, 62, 44
RGB Percent	91%, 24%, 17%
CMY	0.0902, 0.7568, 0.8274
CMYK	0.00, 0.73, 0.81, 0.09
HSL	6°, 80%, 54%
HSV	6°, 81%, 91%
XYZ	35.4560, 20.7829, 4.5256
YIQ	110.7780, 107.0980, 30.4420

Conversions

Conversions Part 2

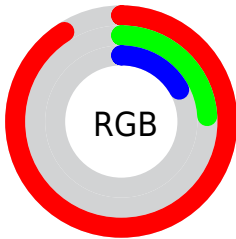
Format	Color
RYB	232, 64, 44
Decimal	15220268
CIELab	52.71, 63.76, 49.19
CIElCh	53, 80.531, 37.647
Yxy	20.7829, 0.5835, 0.3420
Android (android.graphics.Color)	4293410348 (0xFFE83E2C)
YUV	110.7780, -32.9216, 106.3117
Hunter-Lab	45.5883, 59.0478, 26.0260

Details

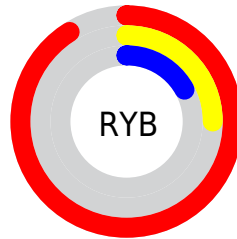
The XYZ color **35.4560, 20.7829, 4.5256** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **39.6476, 54.4485, 84.7635**, and the grayscale version is **15.1171, 15.9044, 17.3199**.

A 20% lighter version of the original color is **50.0091, 35.7075, 14.3817**, and **16.1484, 8.3248, 0.7557** is the 20% darker color. If you saturate the color by 10%, you get **34.2062, 18.7974, 2.5252**, and if you desaturate by 10%, it is **37.3901, 23.7483, 7.9550**.

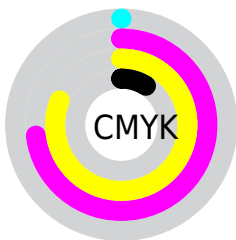
Distribution



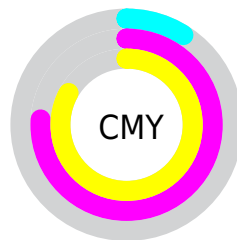
- Red (91%)
- Green (24%)
- Blue (17%)



- Red (91%)
- Yellow (25%)
- Blue (17%)



- Cyan (0%)
- Magenta (73%)
- Yellow (81%)
- Black (9%)





- Cyan (9%)
- Magenta (76%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4560, 20.7829, 4.5256 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 35.4560, 20.7829, 4.5256 by changing the saturation by 10% instead.


 35.4560, 20.7829,
4.5256


 35.4560, 20.7829,
4.5256


318.0494,
256.1225, 153.8996


 24.1825, 12.9654,
1.9179


 67.5210, 44.7259,
15.2049

 15.5945, 7.4047,
0.5041


 89.0431, 61.6203,
24.1135

 9.3267, 3.7165,
0.0000


 114.7123, 82.3090,
35.9596

 5.0137, 1.5163,
0.0000

 144.8937,
107.1765, 51.1615

 2.2901, 0.3001,
0.0000

 179.9527,
136.6072, 70.1380

 0.7896, 0.0000,
0.0000

 220.2548,

 0.0000, 0.0000,

170.9855, 93.3075

0.0000

266.1653,
210.6958, 121.0885

■ 35.4560, 20.7829,
4.5256

■ 35.4560, 20.7829,
4.5256

■ 34.2062, 18.7974,
2.5252

■ 37.3901, 23.7483,
7.9550


■ 33.5698, 17.7383,
1.6545


■ 40.0881, 27.7947,
13.0145


■ 43.6196, 33.0146,
19.8740


■ 48.0463, 39.4896,
28.6818

■ 53.4238, 47.2940,
39.5708

 59.8033, 56.4963,
52.6620

 67.2322, 67.1601,
68.0674

 75.7549, 79.3455,
85.8913

 85.4133, 93.1088,
106.2316

Harmonies

Analogous

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



40.4143, 20.7829, 17.0268



35.4560, 20.7829, 4.5256



26.5372, 20.7829, 1.1584

Triad

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



35.4560, 20.7829, 4.5256



8.2843, 20.7829, 9.2248



21.9763, 20.7829, 106.1018

Complementary

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



35.4560, 20.7829, 4.5256



39.6476, 54.4485, 84.7635

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.



14.2373, 20.7829, 97.7659



35.4560, 20.7829, 4.5256



7.7005, 20.7829, 29.3424

Square

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



35.4560, 20.7829, 4.5256



11.4555, 20.7829, 2.2280



9.5447, 20.7829, 64.1394



31.3207, 20.7829, 82.3638

Rectangle

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



35.4560, 20.7829, 4.5256



20.4224, 20.7829, 0.7283



9.5447, 20.7829, 64.1394



19.0994, 20.7829, 107.1459

Sweetspot

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



35.4565, 20.7842, 4.5259



71.5316, 66.2989, 59.9481



46.6170, 23.9322, 67.3540



14.7037, 13.3151, 11.5855



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.



35.4565, 20.7842, 4.5259



41.7810, 22.2750, 2.3171



45.2338, 40.3389, 7.7850



14.4875, 14.5889, 14.9568



18.6771, 9.9283, 0.9320



1.4183, 0.8099, 0.0816

Inverse Universe

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



39.6476, 54.4485, 84.7635



46.8063, 64.5904, 104.6080



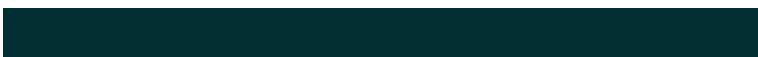
22.6047, 20.3627, 79.0825



14.6832, 16.0879, 18.4757



20.9008, 28.8637, 46.8528



1.5790, 2.2019, 3.4738

Previews

White Background



This preview shows how the XYZ color 35.4560, 20.7829, 4.5256 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 35.4560, 20.7829, 4.5256 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 35.4560, 20.7829, 4.5256

Background



This preview shows how black text looks on a background with the XYZ color 35.4560, 20.7829, 4.5256.



This preview shows how white text looks on a background with the XYZ color 35.4560, 20.7829,

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

35.4560, 20.7829, 4.5256

Protanopia

19.1456, 20.8450, 7.5718

Deuteranopia

21.2241, 20.8877, 4.0117



Tritanopia

35.7641, 20.7353, 6.6748

Trichromacy



Original Color

35.4560, 20.7829, 4.5256

Protanomaly

22.7734, 18.8606, 6.0546

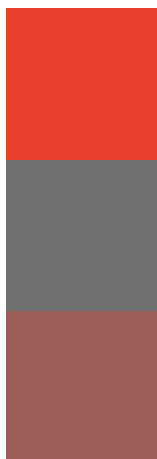
Deuteranomaly

25.0003, 19.4783, 3.9554

Tritanomaly

35.6370, 20.7691, 5.7450

Monochromacy



Original Color

35.4560, 20.7829, 4.5256

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

19.1522, 15.4854, 10.9964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4560, 20.7829, 4.5256 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, 62, 44)` looks like.

```
.text, #text, p{  
    color:rgb(232, 62, 44)  
}
```

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, 62, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 62, 44) }
```

Border

The CSS property to change the border of an element to XYZ 35.4560, 20.7829, 4.5256 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, 62, 44) }
```


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

```
.border{ border-color:rgb(232, 62, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 62, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 62, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 62, 44);  
box-shadow:4px 4px 4px 4px rgb(232, 62,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4560, 20.7829, 4.5256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 62, 44) }
```

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

```
.background{ background-color: rgb(232, 62,  
44) }
```

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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