

Converting Colors

XYZ(44.6202, 27.5965, 4.3637)

Have a look what the booklet for
XYZ(44.6202, 27.5965, 4.3637)
contains.

XYZ(44.5940, 27.5508, 4.3340)	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(44.5940, 27.5508,
4.3340)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5320
RGB	255, 83, 32
RGB Percent	100%, 33%, 13%
CMY	0.0000, 0.6745, 0.8745
CMYK	0.00, 0.67, 0.87, 0.00
HSL	14°, 100%, 56%
HSV	14°, 87%, 100%
XYZ	44.5940, 27.5508, 4.3340
YIQ	128.6140, 118.8830, 20.6030

Conversions

Conversions Part 2

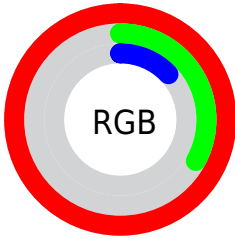
Format	Color
R_{YB}	255, 98, 32
Decimal	16732960
CIE _{Lab}	59.48, 63.17, 61.85
CIE _{LCh}	59, 88.412, 44.394
Yxy	27.5508, 0.5831, 0.3602
Android (android.graphics.Color)	4294923040 (0xFFFF5320)
YUV	128.6140, -47.6307, 110.8405
Hunter-Lab	52.4889, 59.7963, 31.8466

Details

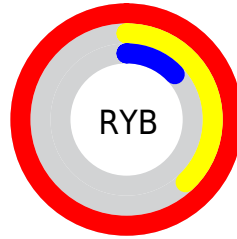
The XYZ color **44.5940, 27.5508, 4.3340** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **40.2361, 50.7080, 102.2740**, and the grayscale version is **20.8649, 21.9515, 23.9051**.

A 20% lighter version of the original color is **52.2183, 40.6563, 13.4827**, and **21.0514, 10.9491, 1.0038** is the 20% darker color. If you saturate the color by 10%, you get **43.0720, 24.8674, 2.7165**, and if you desaturate by 10%, it is **46.8092, 31.1970, 7.4914**.

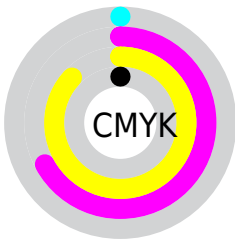
Distribution



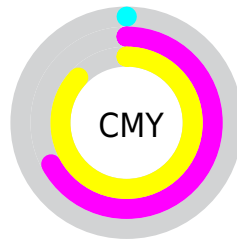
- Red (100%)
- Green (33%)
- Blue (13%)



- Red (100%)
- Yellow (38%)
- Blue (13%)



- Cyan (0%)
- Magenta (67%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.5940, 27.5508, 4.3340 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 44.5940, 27.5508, 4.3340 by changing the saturation by 10% instead.


 44.5940, 27.5508,
4.3340


 44.5940, 27.5508,
4.3340


355.9382,
290.3142, 151.8684


 31.3377, 17.9873,
1.8103


 81.3517, 55.7665,
14.7730

 21.0092, 10.9409,
0.4347


 105.5837, 75.1874,
23.5254

 13.2432, 6.0271,
0.0000


 134.2050, 98.6630,
35.1911

 7.6744, 2.8616,
0.0000

 167.5809,
126.5777, 50.1887

 3.9374, 1.0599,
0.0000

 206.0769,
159.3157, 68.9367

 1.6668, 0.0000,
0.0000

 250.0582,

 0.4353, 0.0000,

197.2615, 91.8536

0.0000

299.8901,
240.7996, 119.3580

0.0000, 0.0000,
0.0000

44.5940, 27.5508,
4.3340

44.5940, 27.5508,
4.3340

43.0720, 24.8674,
2.7165

46.8092, 31.1970,
7.4914

42.7694, 24.3193,
2.4399

49.8032, 35.8885,
12.4863

53.6481, 41.7030,
19.5498

58.4069, 48.7090,
28.8784

64.1358, 56.9693,
40.6456

70.8866, 66.5422,
55.0078

78.7073, 77.4823,
72.1083

87.6427, 89.8409,
92.0799

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



52.7843, 27.5508, 17.2220



44.5940, 27.5508, 4.3340



32.3593, 27.5508, 1.2391

Triad

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



44.5940, 27.5508, 4.3340



10.5371, 27.5508, 16.3734



31.8596, 27.5508, 136.7345

Complementary

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



44.5940, 27.5508, 4.3340



40.2361, 50.7080, 102.2740

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.



20.8528, 27.5508, 135.8164



44.5940, 27.5508, 4.3340



10.4736, 27.5508, 47.9078

Square

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



44.5940, 27.5508, 4.3340



13.9108, 27.5508, 4.0870



13.7023, 27.5508, 96.3193



44.1402, 27.5508, 98.3235

Rectangle

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



44.5940, 27.5508, 4.3340



24.5845, 27.5508, 1.0074



13.7023, 27.5508, 96.3193



27.8561, 27.5508, 141.5725

Sweetspot

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



44.5946, 27.5524, 4.3344



71.9537, 68.0430, 57.3148



52.9801, 26.7825, 61.2058



14.8637, 13.8070, 11.1087



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.



44.5946, 27.5524, 4.3344



42.7697, 24.3195, 2.4399



60.3099, 58.9830, 9.5729



18.3464, 18.6610, 18.7793



22.4401, 12.8914, 1.3056



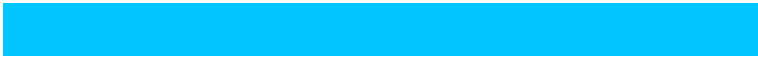
2.2631, 1.4116, 0.1532

Inverse Universe

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



40.2361, 50.7080, 102.2740



37.9414, 47.0029, 101.6805



22.7545, 15.7448, 96.4468



18.1818, 19.7353, 23.1010



19.9436, 24.7967, 53.1697



2.0236, 2.5780, 5.2042

Previews

White Background



This preview shows how the XYZ color 44.5940, 27.5508, 4.3340 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 44.5940, 27.5508, 4.3340 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 44.5940, 27.5508, 4.3340

Background



This preview shows how black text looks on a background with the XYZ color 44.5940, 27.5508, 4.3340.



This preview shows how white text looks on a background with the XYZ color 44.5940, 27.5508,

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

44.5940, 27.5508, 4.3340

Protanopia

25.1843, 27.7288, 6.7142

Deuteranopia

27.8602, 27.4321, 3.8265



Tritanopia

45.6700, 27.6219, 11.1081

Trichromacy



Original Color

44.5940, 27.5508, 4.3340

Protanomaly

29.8831, 25.6883, 5.5738

Deuteranomaly

32.4401, 26.1590, 3.6872

Tritanomaly

45.1078, 27.5150, 7.7840

Monochromacy



Original Color

44.5940, 27.5508, 4.3340

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

25.4937, 21.5105, 13.3979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.5940, 27.5508, 4.3340 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(255, 83, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 32)  
}
```

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(255, 83, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 32) }
```

Border

The CSS property to change the border of an element to XYZ 44.5940, 27.5508, 4.3340 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(255, 83, 32) }
```


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

```
.border{ border-color:rgb(255, 83, 32) }
```

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

Here you see how a box with a 4 pixel rgb(255, 83, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 44.5940, 27.5508, 4.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 32) }
```

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

```
.background{ background-color: rgb(255, 83,  
32) }
```

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