

Converting Colors

XYZ(44.1768, 26.6874, 4.2844)

Have a look what the booklet for
XYZ(44.1768, 26.6874, 4.2844)
contains.

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Color

**XYZ(44.1684, 26.6776,
4.2602)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4D21
RGB	255, 77, 33
RGB Percent	100%, 30%, 13%
CMY	0.0000, 0.6980, 0.8706
CMYK	0.00, 0.70, 0.87, 0.00
HSL	12°, 100%, 56%
HSV	12°, 87%, 100%
XYZ	44.1684, 26.6776, 4.2602
YIQ	125.2060, 120.2120, 24.0520

Conversions

Conversions Part 2

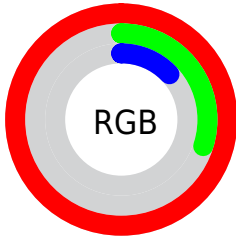
Format	Color
R_{YB}	255, 88, 33
Decimal	16731425
CIE _{Lab}	58.67, 65.41, 60.85
CIE _{LCh}	59, 89.338, 42.933
Yxy	26.6776, 0.5881, 0.3552
Android (android.graphics.Color)	4294921505 (0xFFFF4D21)
YUV	125.2060, -45.4576, 113.8293
Hunter-Lab	51.6504, 62.2547, 31.2649

Details

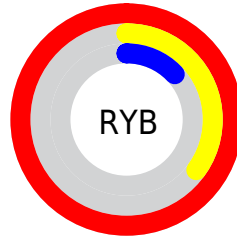
The XYZ color **44.1684, 26.6776, 4.2602** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **41.9684, 54.1258, 102.8423**, and the grayscale version is **19.6842, 20.7094, 22.5525**.

A 20% lighter version of the original color is **51.5042, 39.2280, 13.2447**, and **20.9863, 10.8188, 0.9821** is the 20% darker color. If you saturate the color by 10%, you get **42.7226, 24.1600, 2.6270**, and if you desaturate by 10%, it is **46.3333, 30.2046, 7.4583**.

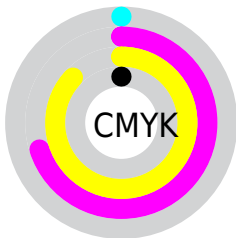
Distribution



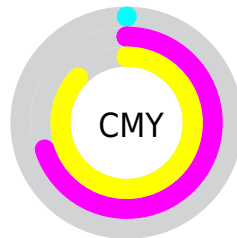
- Red (100%)
- Green (30%)
- Blue (13%)



- Red (100%)
- Yellow (35%)
- Blue (13%)



- Cyan (0%)
- Magenta (70%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (70%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.1684, 26.6776, 4.2602 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 44.1684, 26.6776, 4.2602 by changing the saturation by 10% instead.


 44.1684, 26.6776,
4.2602


 44.1684, 26.6776,
4.2602


354.2356,
286.0927, 151.0750


 31.0014, 17.3312,
1.7691


 80.7159, 54.3661,
14.6055


 20.7517, 10.4709,
0.4075


 104.8270, 73.4770,
23.2969

 13.0541, 5.7123,
0.0000


 133.3170, 96.6115,
34.8921

 7.5431, 2.6709,
0.0000

 166.5510,
124.1541, 49.8098

 3.8533, 0.9625,
0.0000

 204.8946,
156.4891, 68.4683

 1.6195, 0.0000,
0.0000

 248.7130,

 0.4051, 0.0000,

194.0010, 91.2864

0.0000

298.3715,
237.0740, 118.6824

0.0000, 0.0000,
0.0000

44.1684, 26.6776,
4.2602

44.1684, 26.6776,
4.2602

42.7226, 24.1600,
2.6270

46.3333, 30.2046,
7.4583

42.4041, 23.5887,
2.3181

49.3068, 34.8337,
12.5126

53.1653, 40.6513,
19.6543

57.9751, 47.7336,
29.0800

63.7961, 56.1502,
40.9637

70.6830, 65.9655,
55.4622

78.6864, 77.2400,
72.7194

87.8537, 90.0301,
92.8686

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.



52.0025, 26.6776, 17.5069



44.1684, 26.6776, 4.2602



32.0712, 26.6776, 1.1084

Triad

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



44.1684, 26.6776, 4.2602



10.0544, 26.6776, 14.6698



30.3814, 26.6776, 136.8207

Complementary

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



44.1684, 26.6776, 4.2602



41.9684, 54.1258, 102.8423

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.



19.6508, 26.6776, 133.6732



44.1684, 26.6776, 4.2602



9.8432, 26.6776, 44.7913

Square

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



44.1684, 26.6776, 4.2602



13.5225, 26.6776, 3.4588



12.8267, 26.6776, 92.7675



42.6277, 26.6776, 99.6178

Rectangle

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



44.1684, 26.6776, 4.2602



24.2911, 26.6776, 0.8349



12.8267, 26.6776, 92.7675



26.4521, 26.6776, 140.9492

Sweetspot

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



44.1690, 26.6792, 4.2606



71.4767, 67.0890, 57.1558



53.9595, 27.2180, 66.2287



14.7531, 13.5860, 11.0719



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.



44.1690, 26.6792, 4.2606



42.4044, 23.5889, 2.3181



58.8004, 55.9421, 9.1378



18.3009, 18.5700, 18.7641



22.2392, 12.4896, 1.2386



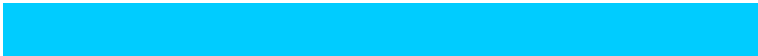
2.2375, 1.3603, 0.1446

Inverse Universe

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



41.9684, 54.1258, 102.8423



39.7490, 50.6181, 102.2830



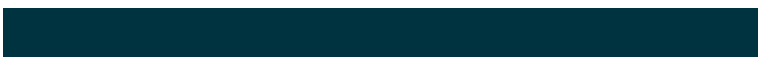
23.5573, 17.3038, 96.7053



18.2309, 19.8335, 23.1173



20.8776, 26.6647, 53.4810



2.1070, 2.7447, 5.2320

Previews

White Background



This preview shows how the XYZ color 44.1684, 26.6776, 4.2602 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 44.1684, 26.6776, 4.2602 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 44.1684, 26.6776, 4.2602

Background



This preview shows how black text looks on a background with the XYZ color 44.1684, 26.6776, 4.2602.



This preview shows how white text looks on a background with the XYZ color 44.1684, 26.6776,

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

44.1684, 26.6776, 4.2602

Protanopia

24.3279, 26.8369, 6.8035

Deuteranopia

27.1155, 26.6339, 3.7117



Tritanopia

45.0283, 26.6934, 9.8003

Trichromacy



Original Color

44.1684, 26.6776, 4.2602

Protanomaly

28.9068, 24.4687, 5.4849

Deuteranomaly

31.7036, 25.1022, 3.5221

Tritanomaly

44.5984, 26.6291, 7.2042

Monochromacy



Original Color

44.1684, 26.6776, 4.2602

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

24.3076, 20.2685, 12.7563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.1684, 26.6776, 4.2602 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, 77, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 33)  
}
```

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, 77, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 33) }
```

Border

The CSS property to change the border of an element to XYZ 44.1684, 26.6776, 4.2602 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, 77, 33) }
```


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

```
.border{ border-color:rgb(255, 77, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 77, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 44.1684, 26.6776, 4.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 33) }
```

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

```
.background{ background-color: rgb(255, 77,  
33) }
```

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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