

Converting Colors

XYZ(18.7988, 12.7390, 2.5928)

Have a look what the booklet for
XYZ(18.7988, 12.7390, 2.5928)
contains.

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Color

**XYZ(18.8543, 12.7641,
2.5686)**

Conversions

Conversions Part 1

Format	Color
Hex	AA441C
RGB	170, 68, 28
RGB Percent	67%, 27%, 11%
CMY	0.3333, 0.7333, 0.8902
CMYK	0.00, 0.60, 0.84, 0.33
HSL	17°, 72%, 39%
HSV	17°, 84%, 67%
XYZ	18.8543, 12.7641, 2.5686
YIQ	93.9380, 73.6320, 9.1840

Conversions

Conversions Part 2

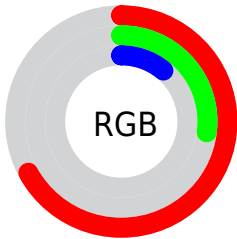
Format	Color
RYB	170, 84, 28
Decimal	11158556
CIELab	42.41, 39.86, 43.34
CIELCh	42, 58.880, 47.398
Yxy	12.7641, 0.5515, 0.3734
Android (android.graphics.Color)	4289348636 (0xFFAA441C)
YUV	93.9380, -32.5074, 66.7064
Hunter-Lab	35.7269, 31.6785, 20.7461

Details

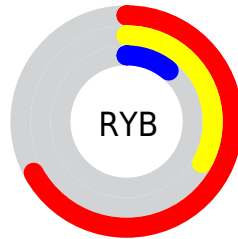
The XYZ color **18.8543, 12.7641, 2.5686** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.7166, 19.1131, 40.8909**, and the grayscale version is **10.6874, 11.2439, 12.2447**.

A 20% lighter version of the original color is **40.9415, 30.9299, 10.4688**, and **6.7126, 3.6936, 0.3591** is the 20% darker color. If you saturate the color by 10%, you get **18.0422, 11.3787, 1.5620**, and if you desaturate by 10%, it is **19.9357, 14.5046, 4.2317**.

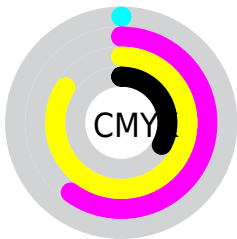
Distribution



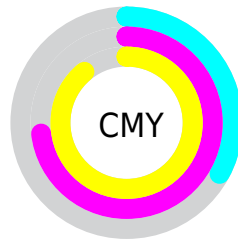
- Red (67%)
- Green (27%)
- Blue (11%)



- Red (67%)
- Yellow (33%)
- Blue (11%)



- Cyan (0%)
- Magenta (60%)
- Yellow (84%)
- Black (33%)



- Cyan (33%)
- Magenta (73%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8543, 12.7641, 2.5686 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 18.8543, 12.7641, 2.5686 by changing the saturation by 10% instead.

■ 18.8543, 12.7641,
2.5686

■ 18.8543, 12.7641,
2.5686

238.5968,
209.4002, 130.6608

■ 11.6684, 7.2663,
0.8762

■ 41.0065, 30.8793,
10.5440

■ 6.5889, 3.6292,
0.0000

■ 56.7036, 44.2655,
17.6667

■ 3.2504, 1.4684,
0.0000

■ 75.9685, 61.0500,
27.4374

■ 1.2875, 0.2663,
0.0000

■ 99.1664, 81.6172,
40.2747

■ 0.1739, 0.0000,
0.0000

■ 126.6629,
106.3514, 56.5972

■ 0.0000, 0.0000,
0.0000

■ 158.8232,

135.6370, 76.8233

196.0127,
169.8585, 101.3717

18.8543, 12.7641,
2.5686

18.8543, 12.7641,
2.5686

18.0422, 11.3787,
1.5620

19.9357, 14.5046,
4.2317

17.6301, 10.6512,
1.1267

21.3113, 16.6224,
6.6428

23.0036, 19.1401,
9.8794

25.0325, 22.0779,
14.0087

27.4162, 25.4544,
19.0913

■ 30.1715, 29.2872,
25.1823

■ 33.3140, 33.5927,
32.3324

■ 36.8585, 38.3866,
40.5892

■ 40.8189, 43.6839,
49.9971

Harmonies

Analogous

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



22.2026, 12.7641, 7.8088



18.8543, 12.7641, 2.5686



14.0855, 12.7641, 1.1002

Triad

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



18.8543, 12.7641, 2.5686



5.5765, 12.7641, 9.2286



14.8592, 12.7641, 52.5554

Complementary

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



18.8543, 12.7641, 2.5686



15.7166, 19.1131, 40.8909

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.



10.3678, 12.7641, 53.8472



18.8543, 12.7641, 2.5686



5.6870, 12.7641, 22.5358

Square

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



18.8543, 12.7641, 2.5686



6.8830, 12.7641, 3.0656



7.2339, 12.7641, 40.6732



19.5381, 12.7641, 37.7930

Rectangle

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



18.8543, 12.7641, 2.5686



11.0686, 12.7641, 1.0309



7.2339, 12.7641, 40.6732



13.2612, 12.7641, 54.8011

Sweetspot

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



18.8546, 12.7648, 2.5688



53.7274, 51.7345, 43.4171



21.1668, 11.0462, 22.8942



11.5938, 10.9989, 8.8216



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.8546, 12.7648, 2.5688



31.8283, 19.0059, 1.9910



25.7138, 26.4833, 4.8552



7.6968, 7.8737, 7.9034



13.0109, 7.9190, 0.8428



0.3591, 0.2777, 0.0347

Inverse Universe

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



15.7166, 19.1131, 40.8909



25.6230, 30.1824, 73.4772



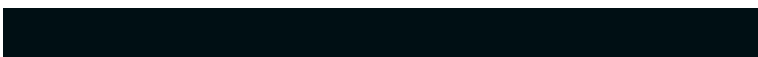
9.4105, 6.5010, 38.7888



7.5663, 8.1695, 9.5964



10.5154, 12.4910, 29.8323



0.2958, 0.3839, 0.7391

Previews

White Background



This preview shows how the XYZ color 18.8543, 12.7641, 2.5686 looks on a white 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

Black Background



This preview shows how the XYZ color 18.8543, 12.7641, 2.5686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

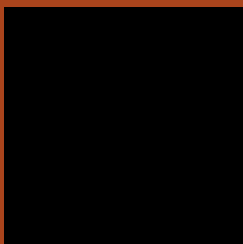
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8543, 12.7641, 2.5686

Background



This preview shows how black text looks on a background with the XYZ color 18.8543, 12.7641, 2.5686.



This preview shows how white text looks on a background with the XYZ color 18.8543, 12.7641,

2.5686.

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

18.8543, 12.7641, 2.5686

Protanopia

11.7977, 12.9516, 3.6284

Deuteranopia

13.0288, 12.9152, 2.2964



Tritanopia

19.6714, 12.7421, 6.8915

Trichromacy



Original Color

18.8543, 12.7641, 2.5686

Protanomaly

13.6926, 12.3286, 3.1713

Deuteranomaly

14.7817, 12.5457, 2.3043

Tritanomaly

19.3275, 12.6956, 4.8000

Monochromacy



Original Color

18.8543, 12.7641, 2.5686

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.3800, 11.0768, 7.2799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8543, 12.7641, 2.5686 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(170, 68, 28)` looks like.

```
.text, #text, p{  
    color:rgb(170, 68, 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(170, 68, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 68, 28) }
```

Border

The CSS property to change the border of an element to XYZ 18.8543, 12.7641, 2.5686 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(170, 68, 28) }
```


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

```
.border{ border-color:rgb(170, 68, 28) }
```

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

Here you see how a box with a 4 pixel rgb(170, 68, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 68, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 68, 28);  
box-shadow:4px 4px 4px 4px rgb(170, 68,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8543, 12.7641, 2.5686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 68, 28) }
```

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

```
.background{ background-color: rgb(170, 68,  
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](#).

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