

Converting Colors

XYZ(12.2705, 8.1983, 2.6943)

Have a look what the booklet for
XYZ(12.2705, 8.1983, 2.6943)
contains.

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Color

**XYZ(12.2545, 8.1687,
2.6811)**

Conversions

Conversions Part 1

Format	Color
Hex	8B3525
RGB	139, 53, 37
RGB Percent	55%, 21%, 15%
CMY	0.4549, 0.7921, 0.8549
CMYK	0.00, 0.62, 0.73, 0.45
HSL	9°, 58%, 35%
HSV	9°, 73%, 55%
XYZ	12.2545, 8.1687, 2.6811
YIQ	76.8900, 56.3920, 13.2560

Conversions

Conversions Part 2

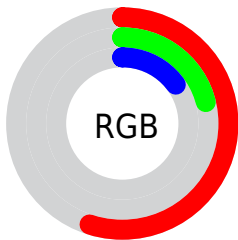
Format	Color
R_{YB}	139, 56, 37
Decimal	9123109
CIE Lab	34.33, 35.65, 28.59
CIE LCh	34, 45.697, 38.735
Yxy	8.1687, 0.5304, 0.3536
Android (android.graphics.Color)	4287313189 (0xFF8B3525)
YUV	76.8900, -19.6658, 54.4705
Hunter-Lab	28.5809, 26.5179, 14.4448

Details

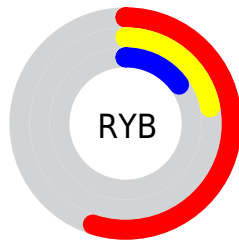
The XYZ color **12.2545, 8.1687, 2.6811** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **12.5056, 16.4223, 26.9367**, and the grayscale version is **7.0620, 7.4297, 8.0910**.

A 20% lighter version of the original color is **29.7003, 22.3308, 10.9285**, and **3.5673, 1.8390, 0.1669** is the 20% darker color. If you saturate the color by 10%, you get **11.6059, 7.1569, 1.5856**, and if you desaturate by 10%, it is **13.1173, 9.4760, 4.2582**.

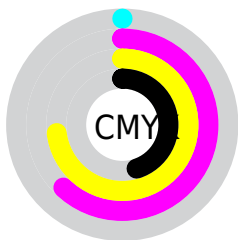
Distribution



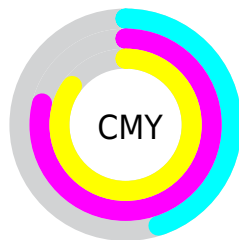
- Red (55%)
- Green (21%)
- Blue (15%)



- Red (55%)
- Yellow (22%)
- Blue (15%)



- Cyan (0%)
- Magenta (62%)
- Yellow (73%)
- Black (45%)




- Cyan (45%)
- Magenta (79%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2545, 8.1687, 2.6811 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 12.2545, 8.1687, 2.6811 by changing the saturation by 10% instead.


 12.2545, 8.1687,
2.6811

 12.2545, 8.1687,
2.6811


199.8186,
177.0493, 132.1892


 6.9907, 4.2031,
0.9339


 29.5706, 22.2885,
10.8308


 3.5026, 1.7878,
0.0000

 42.3537, 33.2115,
18.0708

 1.4248, 0.4796,
0.0000

 58.3738, 47.2224,
27.9788

 0.2738, 0.0000,
0.0000

 77.9964, 64.7056,
40.9734

 0.0000, 0.0000,
0.0000

 101.5868, 86.0455,
57.4733

 129.5104,

111.6264, 77.8968

162.1326,
141.8329, 102.6626

12.2545, 8.1687,
2.6811

12.2545, 8.1687,
2.6811

11.6059, 7.1569,
1.5856

13.1173, 9.4760,
4.2582

11.1512, 6.4159,
0.9149

14.2109, 11.0984,
6.3640

10.9307, 6.0555,
0.5927

15.5509, 13.0552,
9.0404

17.1513, 15.3637,
12.3249

19.0252, 18.0402,
16.2519

■ 21.1845, 21.0999,
20.8532

■ 23.6408, 24.5571,
26.1583

■ 26.4046, 28.4253,
32.1952

■ 29.4862, 32.7176,
38.9903

Harmonies

Analogous

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



13.6931, 8.1687, 6.9266



12.2545, 8.1687, 2.6811



9.6829, 8.1687, 1.1747

Triad

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



12.2545, 8.1687, 2.6811



4.0307, 8.1687, 4.7095



8.5332, 8.1687, 31.2652

Complementary

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



12.2545, 8.1687, 2.6811



12.5056, 16.4223, 26.9367

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.



6.1172, 8.1687, 29.4658



12.2545, 8.1687, 2.6811



3.8543, 8.1687, 11.2033

Square

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



12.2545, 8.1687, 2.6811



5.0810, 8.1687, 1.8196



4.5314, 8.1687, 20.9014



11.2564, 8.1687, 24.9737

Rectangle

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



12.2545, 8.1687, 2.6811



7.8730, 8.1687, 0.9443



4.5314, 8.1687, 20.9014



7.6563, 8.1687, 31.6355

Sweetspot

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



12.2547, 8.1692, 2.6812



34.3986, 32.7729, 29.7976



14.9282, 8.2598, 19.7769



7.7315, 7.2746, 6.4546



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.2547, 8.1692, 2.6812



20.2155, 11.8977, 1.9763



15.8615, 15.3828, 3.8835



5.0922, 5.1672, 5.2814



9.8744, 5.4833, 0.5379



0.0725, 0.0503, 0.0059

Inverse Universe

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



12.5056, 16.4223, 26.9367



20.5676, 27.3000, 47.9284



7.7861, 6.9832, 25.3636



5.1072, 5.5573, 6.4093



9.9776, 13.2255, 24.0726



0.0746, 0.1045, 0.1627

Previews

White Background



This preview shows how the XYZ color 12.2545, 8.1687, 2.6811 looks on a white background.

Color Contrast Check

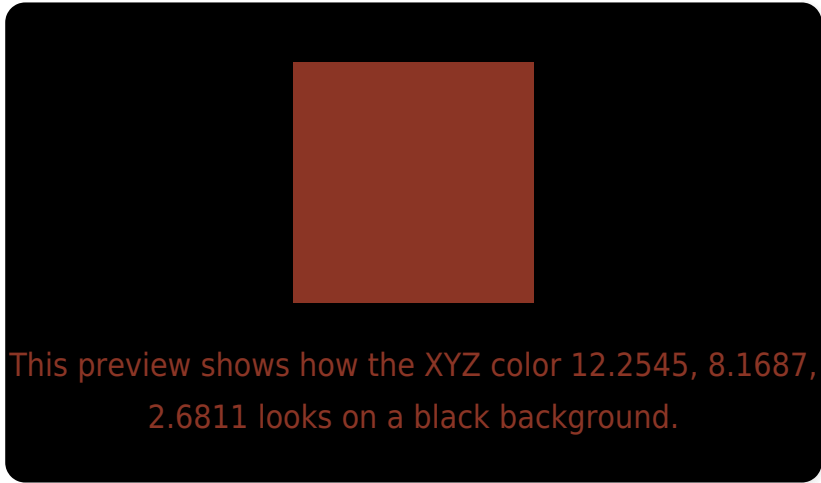
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.2545, 8.1687, 2.6811

Background



This preview shows how black text looks on a background with the XYZ color 12.2545, 8.1687, 2.6811.



This preview shows how white text looks on a background with the XYZ color 12.2545, 8.1687,

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

12.2545, 8.1687, 2.6811

Protanopia

7.7269, 8.4055, 3.7999

Deuteranopia

8.4646, 8.3778, 2.5375



Tritanopia

12.6649, 8.2094, 4.4071

Trichromacy



Original Color

12.2545, 8.1687, 2.6811

Protanomaly

8.8736, 7.8690, 3.3367

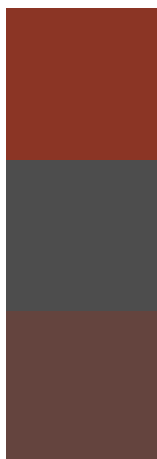
Deuteranomaly

9.4871, 8.0166, 2.5607

Tritanomaly

12.5767, 8.2448, 3.7249

Monochromacy



Original Color

12.2545, 8.1687, 2.6811

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

8.1922, 7.1914, 5.5137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2545, 8.1687, 2.6811 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(139, 53, 37)` looks like.

```
.text, #text, p{  
  color:rgb(139, 53, 37)  
}
```

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(139, 53, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 53, 37) }
```

Border

The CSS property to change the border of an element to XYZ 12.2545, 8.1687, 2.6811 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(139, 53, 37) }
```


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

```
.border{ border-color:rgb(139, 53, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 53, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 53, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 53, 37);  
box-shadow:4px 4px 4px 4px rgb(139, 53,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2545, 8.1687, 2.6811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 53, 37) }
```

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

```
.background{ background-color: rgb(139, 53,  
37) }
```

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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