

Converting Colors

XYZ(13.6789, 8.3888, 10.6384)

Have a look what the booklet for
XYZ(13.6789, 8.3888, 10.6384)
contains.

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Color

**XYZ(13.7176, 8.4275,
10.5765)**

Conversions

Conversions Part 1

Format	Color
Hex	8C305A
RGB	140, 48, 90
RGB Percent	55%, 19%, 35%
CMY	0.4510, 0.8117, 0.6471
CMYK	0.00, 0.66, 0.36, 0.45
HSL	333°, 49%, 37%
HSV	333°, 66%, 55%
XYZ	13.7176, 8.4275, 10.5765
YIQ	80.2960, 41.3500, 32.5660

Conversions

Conversions Part 2

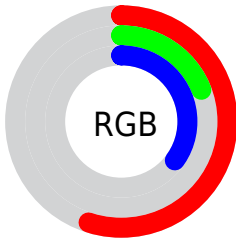
Format	Color
R_{YB}	140, 48, 90
Decimal	9187418
CIE _{Lab}	34.86, 43.06, -4.25
CIE _{LCh}	35, 43.265, 354.361
Yxy	8.4275, 0.4192, 0.2576
Android (android.graphics.Color)	4287377498 (0xFF8C305A)
YUV	80.2960, 4.7841, 52.3604
Hunter-Lab	29.0302, 33.5437, -1.2799

Details

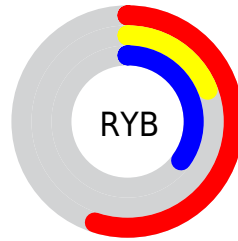
The XYZ color **13.7176, 8.4275, 10.5765** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **12.8021, 20.2666, 14.7935**, and the grayscale version is **7.6684, 8.0677, 8.7857**.

A 20% lighter version of the original color is **32.3168, 22.8781, 27.5236**, and **4.3114, 2.1679, 2.6738** is the 20% darker color. If you saturate the color by 10%, you get **12.9253, 7.3350, 8.7954**, and if you desaturate by 10%, it is **14.7243, 9.8957, 12.5928**.

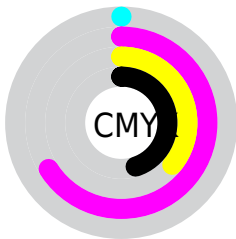
Distribution



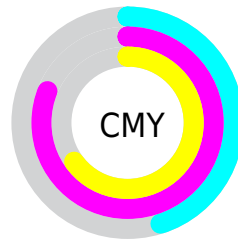
- Red (55%)
- Green (19%)
- Blue (35%)



- Red (55%)
- Yellow (19%)
- Blue (35%)



- Cyan (0%)
- Magenta (66%)
- Yellow (36%)
- Black (45%)





- Cyan (45%)
- Magenta (81%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7176, 8.4275, 10.5765 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 13.7176, 8.4275, 10.5765 by changing the saturation by 10% instead.

 13.7176, 8.4275,
10.5765


 13.7176, 8.4275,
10.5765


209.0128,
179.0477, 205.3706


 8.0049, 4.3697,
5.6723


 32.1776, 22.7923,
27.4989


 4.1499, 1.8824,
2.5813


 45.6556, 33.8682,
40.3542


 1.7873, 0.5378,
0.8828

 62.4527, 48.0521,
56.6969

 0.5100, 0.0000,
0.0000

 82.9343, 65.7286,
76.9455

 0.0000, 0.0000,
0.0000

 107.4658, 87.2820,
101.5187

 136.4124,

113.0967, 130.8349

170.1397,
143.5572, 165.3127

■ 13.7176, 8.4275,
10.5765

■ 13.7176, 8.4275,
10.5765

■ 12.9253, 7.3350,
8.7954

■ 14.7243, 9.8957,
12.5928

■ 12.3280, 6.5810,
7.2381

■ 15.9610, 11.7694,
14.8540

■ 11.8987, 6.1131,
5.8903

■ 17.4427, 14.0770,
17.3697

■ 11.7380, 5.9446,
5.3657

■ 19.1827, 16.8438,
20.1486

■ 21.1935, 20.0932,
23.1992

■ 23.4866, 23.8471,
26.5291

■ 26.0728, 28.1259,
30.1461

■ 28.9625, 32.9490,
34.0573

■ 32.1653, 38.3347,
38.2697

Harmonies

Analogous

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



12.5159, 8.4275, 19.5840



13.7176, 8.4275, 10.5765



13.1539, 8.4275, 4.6363

Triad

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



13.7176, 8.4275, 10.5765



6.2087, 8.4275, 1.5310



5.5522, 8.4275, 25.2333

Complementary

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



13.7176, 8.4275, 10.5765



12.8021, 20.2666, 14.7935

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.



4.4198, 8.4275, 15.9965



13.7176, 8.4275, 10.5765



4.7408, 8.4275, 3.3190

Square

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



13.7176, 8.4275, 10.5765



8.4852, 8.4275, 1.2099



4.1566, 8.4275, 7.9051



7.5530, 8.4275, 30.4169

Rectangle

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



13.7176, 8.4275, 10.5765



11.9019, 8.4275, 2.5788



4.1566, 8.4275, 7.9051



5.0752, 8.4275, 22.3260

Sweetspot

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



13.7178, 8.4279, 10.5767



35.6344, 32.6180, 38.3072



10.7279, 6.5529, 25.5104



8.0109, 7.1930, 8.5218



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.



13.7178, 8.4279, 10.5767



22.2255, 12.2029, 14.0984



12.5358, 8.1628, 3.7117



5.1216, 5.0841, 5.7288



10.4396, 5.2859, 4.8190



0.0766, 0.0380, 0.0702

Inverse Universe

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



13.7178, 8.4279, 10.5767



22.2255, 12.2029, 14.0984



14.8890, 20.3944, 27.9627



5.1216, 5.0841, 5.7288



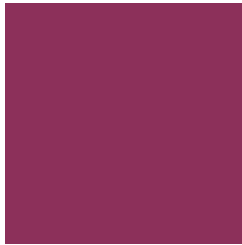
10.4396, 5.2859, 4.8190



0.0766, 0.0380, 0.0702

Previews

White Background



This preview shows how the XYZ color 13.7176, 8.4275, 10.5765 looks on a white background.

Color Contrast Check

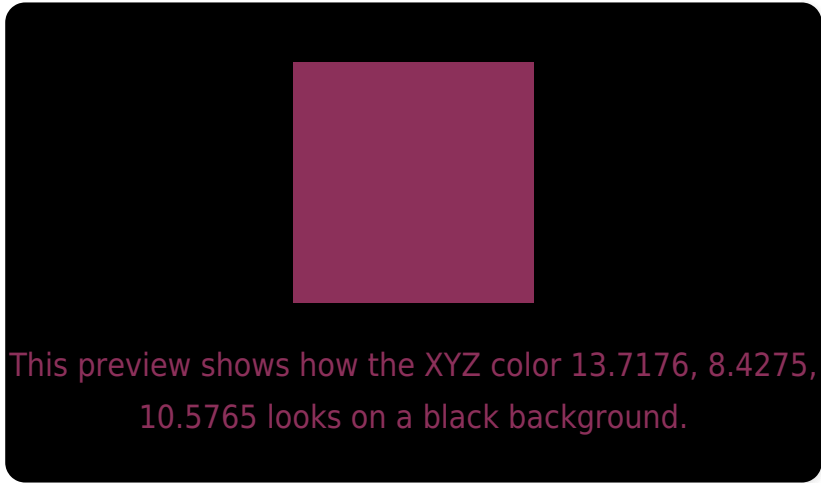
Large Text (above 18pt) WCAG AA ✓ Pass

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

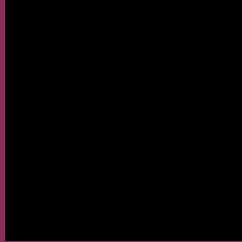
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7176, 8.4275, 10.5765

Background



This preview shows how black text looks on a background with the XYZ color 13.7176, 8.4275, 10.5765.



This preview shows how white text looks on a background with the XYZ color 13.7176, 8.4275,

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

13.7176, 8.4275, 10.5765

Protanopia

8.7660, 8.6603, 16.5388

Deuteranopia

8.7248, 8.5669, 9.7881



Tritanopia

12.6368, 8.4514, 5.1029

Trichromacy



Original Color

13.7176, 8.4275, 10.5765

Protanomaly

9.7259, 7.9765, 14.1237

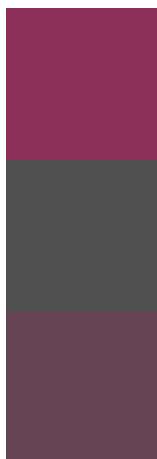
Deuteranomaly

9.9718, 8.0105, 10.0374

Tritanomaly

12.9809, 8.3871, 6.7291

Monochromacy



Original Color

13.7176, 8.4275, 10.5765

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

9.1468, 7.5991, 9.3722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7176, 8.4275, 10.5765 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(140, 48, 90)` looks like.

```
.text, #text, p{  
    color:rgb(140, 48, 90)  
}
```

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(140, 48, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 48, 90) }
```

Border

The CSS property to change the border of an element to XYZ 13.7176, 8.4275, 10.5765 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(140, 48, 90) }
```


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

```
.border{ border-color:rgb(140, 48, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 48, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 48, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 48, 90);  
box-shadow:4px 4px 4px 4px rgb(140, 48,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7176, 8.4275, 10.5765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 48, 90) }
```

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

```
.background{ background-color: rgb(140, 48,  
90) }
```

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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