

Converting Colors

XYZ(20.8500, 14.6065, 18.7091)

Have a look what the booklet for
XYZ(20.8500, 14.6065, 18.7091)
contains.

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Color

**XYZ(20.8366, 14.6224,
18.8637)**

Conversions

Conversions Part 1

Format	Color
Hex	A15076
RGB	161, 80, 118
RGB Percent	63%, 31%, 46%
CMY	0.3686, 0.6863, 0.5373
CMYK	0.00, 0.50, 0.27, 0.37
HSL	332°, 34%, 47%
HSV	332°, 50%, 63%
XYZ	20.8366, 14.6224, 18.8637
YIQ	108.5510, 36.0780, 28.9900

Conversions

Conversions Part 2

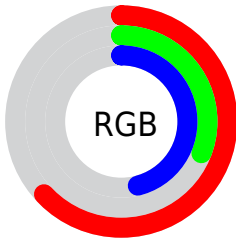
Format	Color
R_{YB}	161, 80, 118
Decimal	10571894
CIE Lab	45.11, 38.07, -6.13
CIE LCh	45, 38.559, 350.856
Yxy	14.6224, 0.3836, 0.2692
Android (android.graphics.Color)	4288761974 (0xFFA15076)
YUV	108.5510, 4.6584, 45.9978
Hunter-Lab	38.2392, 30.3461, -2.4807

Details

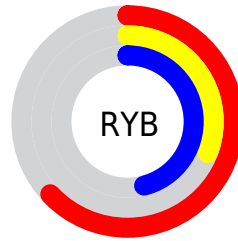
The XYZ color **20.8366, 14.6224, 18.8637** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **19.6290, 28.6256, 23.2311**, and the grayscale version is **14.3894, 15.1388, 16.4862**.

A 20% lighter version of the original color is **44.4204, 34.3102, 42.3115**, and **7.6083, 4.4467, 6.2517** is the 20% darker color. If you saturate the color by 10%, you get **19.3108, 12.3471, 15.9616**, and if you desaturate by 10%, it is **22.6918, 17.4825, 22.1030**.

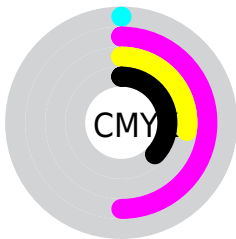
Distribution



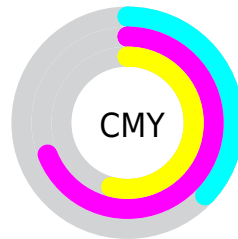
- Red (63%)
- Green (31%)
- Blue (46%)



- Red (63%)
- Yellow (31%)
- Blue (46%)



- Cyan (0%)
- Magenta (50%)
- Yellow (27%)
- Black (37%)



- Cyan (37%)
- Magenta (69%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8366, 14.6224, 18.8637 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 20.8366, 14.6224, 18.8637 by changing the saturation by 10% instead.

■ 20.8366, 14.6224,
18.8637

■ 20.8366, 14.6224,
18.8637

249.1570,
221.0692, 258.0929

■ 13.1164, 8.5548,
11.3960

■ 44.3088, 34.1894,
42.3373

■ 7.5863, 4.4520,
6.2164

■ 60.7914, 48.4576,
59.1803

■ 3.8810, 1.9295,
2.9062

■ 80.9256, 66.2281,
79.9854

■ 1.6350, 0.5660,
1.0469

■ 105.0767, 87.8853,
105.1713

■ 0.4151, 0.0000,
0.0000

■ 133.6100,
113.8136, 135.1565

■ 0.0000, 0.0000,
0.0000

166.8910,

144.3974, 170.3594

205.2848,
180.0212, 211.1987

■ 20.8366, 14.6224,
18.8637

■ 20.8366, 14.6224,
18.8637

■ 19.3108, 12.3471,
15.9616

■ 22.6918, 17.4825,
22.1030

■ 18.0913, 10.6128,
13.3827

■ 24.8946, 20.9626,
25.6909

■ 17.1540, 9.3733,
11.1126

■ 27.4637, 25.0978,
29.6394

■ 16.4703, 8.5732,
9.1355

■ 30.4157, 29.9197,
33.9593

■ 15.9861, 8.0923,
7.4709

■ 33.7663, 35.4580,
38.6612

■ 37.5304, 41.7408,
43.7550

■ 41.7218, 48.7943,
49.2503

■ 46.3539, 56.6437,
55.1563

■ 51.4395, 65.3129,
61.4818

Harmonies

Analogous

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



19.1893, 14.6224, 29.7007



20.8366, 14.6224, 18.8637



20.4172, 14.6224, 10.4739

Triad

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



20.8366, 14.6224, 18.8637



11.8365, 14.6224, 4.5364



10.3904, 14.6224, 33.6890

Complementary

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



20.8366, 14.6224, 18.8637



19.6290, 28.6256, 23.2311

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.



8.9394, 14.6224, 22.9902



20.8366, 14.6224, 18.8637



9.6818, 14.6224, 7.2399

Square

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



20.8366, 14.6224, 18.8637



14.8908, 14.6224, 4.1483



8.7014, 14.6224, 13.3020



12.9506, 14.6224, 40.1642

Rectangle

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



20.8366, 14.6224, 18.8637



19.0443, 14.6224, 7.0059



8.7014, 14.6224, 13.3020



9.7742, 14.6224, 30.3112

Sweetspot

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



20.8370, 14.6231, 18.8640



51.7547, 49.1310, 56.8856



17.3072, 12.4380, 35.2069



11.1249, 10.4070, 12.1441



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.8370, 14.6231, 18.8640



34.3849, 21.8227, 28.1861



19.1150, 14.0941, 9.3033



7.2056, 7.1387, 8.0690



12.7879, 6.4712, 6.0736



0.2925, 0.1455, 0.2531

Inverse Universe

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



20.8370, 14.6231, 18.8640



34.3849, 21.8227, 28.1861



22.2520, 29.2994, 38.2008



7.2056, 7.1387, 8.0690



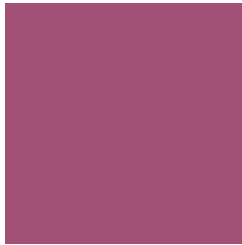
12.7879, 6.4712, 6.0736



0.2925, 0.1455, 0.2531

Previews

White Background



This preview shows how the XYZ color 20.8366, 14.6224, 18.8637 looks on a white background.

Color Contrast Check

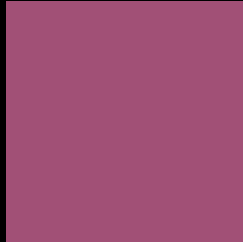
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8366, 14.6224, 18.8637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

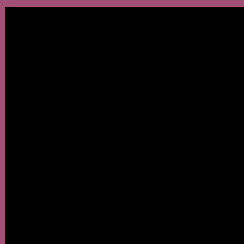
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8366, 14.6224, 18.8637

Background



This preview shows how black text looks on a background with the XYZ color 20.8366, 14.6224, 18.8637.



This preview shows how white text looks on a background with the XYZ color 20.8366, 14.6224,

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

20.8366, 14.6224, 18.8637

Protanopia

14.7827, 14.7667, 24.9928

Deuteranopia

15.0578, 14.7604, 17.9750



Tritanopia

19.4349, 14.6233, 11.6958

Trichromacy



Original Color

20.8366, 14.6224, 18.8637

Protanomaly

16.2632, 14.2719, 22.6665

Deuteranomaly

16.7024, 14.3278, 18.1049

Tritanomaly

19.9394, 14.5997, 14.0790

Monochromacy



Original Color

20.8366, 14.6224, 18.8637

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

16.1944, 14.4944, 17.2734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8366, 14.6224, 18.8637 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(161, 80, 118)` looks like.

```
.text, #text, p{  
    color:rgb(161, 80, 118)  
}
```

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(161, 80, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 80, 118) }
```

Border

The CSS property to change the border of an element to XYZ 20.8366, 14.6224, 18.8637 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(161, 80, 118) }
```


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

```
.border{ border-color:rgb(161, 80, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 80, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 80, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 80, 118);  
box-shadow:4px 4px 4px 4px rgb(161, 80,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8366, 14.6224, 18.8637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 80, 118) }
```

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

```
.background{ background-color: rgb(161, 80,  
118) }
```

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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