

Converting Colors

XYZ(20.6560, 15.6303, 11.6701)

Have a look what the booklet for
XYZ(20.6560, 15.6303, 11.6701)
contains.

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Color

**XYZ(20.6450, 15.6101,
11.5978)**

Conversions

Conversions Part 1

Format	Color
Hex	A4585A
RGB	164, 88, 90
RGB Percent	64%, 35%, 35%
CMY	0.3569, 0.6549, 0.6471
CMYK	0.00, 0.46, 0.45, 0.36
HSL	358°, 30%, 49%
HSV	358°, 46%, 64%
XYZ	20.6450, 15.6101, 11.5978
YIQ	110.9520, 44.6540, 16.7340

Conversions

Conversions Part 2

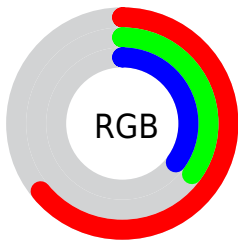
Format	Color
RYB	164, 88, 90
Decimal	10770522
CIELab	46.46, 31.34, 12.88
CIElCh	46, 33.884, 22.344
Yxy	15.6101, 0.4314, 0.3262
Android (android.graphics.Color)	4288960602 (0xFFA4585A)
YUV	110.9520, -10.3293, 46.5231
Hunter-Lab	39.5096, 24.1299, 10.2525

Details

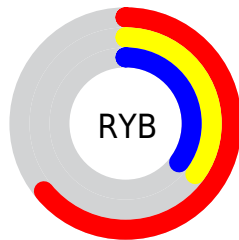
The XYZ color **20.6450, 15.6101, 11.5978** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.8223, 31.2346, 38.9575**, and the grayscale version is **15.1158, 15.9030, 17.3184**.

A 20% lighter version of the original color is **44.0904, 35.8883, 29.4143**, and **7.5058, 4.8917, 3.0312** is the 20% darker color. If you saturate the color by 10%, you get **18.8388, 12.9711, 7.9949**, and if you desaturate by 10%, it is **22.9009, 18.9148, 16.0714**.

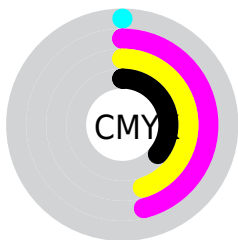
Distribution



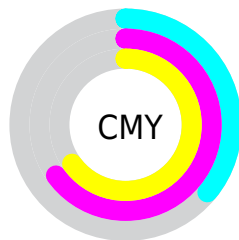
- Red (64%)
- Green (35%)
- Blue (35%)



- Red (64%)
- Yellow (35%)
- Blue (35%)



- Cyan (0%)
- Magenta (46%)
- Yellow (45%)
- Black (36%)



- Cyan (36%)
- Magenta (65%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6450, 15.6101, 11.5978 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 20.6450, 15.6101, 11.5978 by changing the saturation by 10% instead.

■ 20.6450, 15.6101,
11.5978

■ 20.6450, 15.6101,
11.5978

248.1534,
227.0299, 212.6067

■ 12.9757, 9.2487,
6.3512

■ 43.9917, 35.9200,
29.4138

■ 7.4887, 4.9037,
2.9876

■ 60.3999, 50.6372,
42.8203

■ 3.8186, 2.1909,
1.0883

■ 80.4517, 68.9085,
59.7839

■ 1.6000, 0.7150,
0.0000

■ 104.5125, 91.1183,
80.7231

■ 0.3924, 0.0000,
0.0000

■ 132.9478,
117.6509, 106.0564

■ 0.0000, 0.0000,
0.0000

166.1228,

148.8908, 136.2024

204.4028,
185.2223, 171.5797

■ 20.6450, 15.6101,
11.5978

■ 20.6450, 15.6101,
11.5978

■ 18.8388, 12.9711,
7.9949

■ 22.9009, 18.9148,
16.0714

■ 17.4510, 10.9505,
5.2052

■ 25.6325, 22.9234,
21.4663

■ 16.4485, 9.4986,
3.1657

■ 28.8654, 27.6744,
27.8303

■ 15.7924, 8.5570,
1.8039


■ 32.6228, 33.2024,
35.2077


■ 15.4306, 8.0451,
1.0312


■ 36.9266, 39.5401,
43.6400

 15.3334, 7.9019,
0.8408

 41.7974, 46.7183,
53.1665

 47.2548, 54.7662,
63.8242

 53.3175, 63.7114,
75.6487

 60.0031, 73.5805,
88.6739

Harmonies

Analogous

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



21.1105, 15.6101, 19.2250



20.6450, 15.6101, 11.5978



18.5292, 15.6101, 7.1962

Triad

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



20.6450, 15.6101, 11.5978



10.8290, 15.6101, 8.9586



14.1031, 15.6101, 38.3719

Complementary

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



20.6450, 15.6101, 11.5978



23.8223, 31.2346, 38.9575

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.



11.6709, 15.6101, 33.1256



20.6450, 15.6101, 11.5978



9.9485, 15.6101, 14.9477

Square

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



20.6450, 15.6101, 11.5978



12.8075, 15.6101, 6.0570



10.2352, 15.6101, 23.8549



17.0702, 15.6101, 36.5737

Rectangle

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



20.6450, 15.6101, 11.5978



16.6017, 15.6101, 5.8342



10.2352, 15.6101, 23.8549



13.2019, 15.6101, 37.3270

Sweetspot

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



20.6454, 15.6109, 11.5981



53.7315, 52.1981, 53.1421



24.9831, 17.2862, 37.1417



11.4577, 10.9865, 11.0498



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.6454, 15.6109, 11.5981



33.9911, 23.2464, 14.1024



24.2127, 22.8797, 12.3736



7.0810, 7.0888, 7.4127



11.7597, 6.0600, 0.6595



0.2492, 0.1282, 0.0251

Inverse Universe

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



20.6454, 15.6109, 11.5981



33.9911, 23.2464, 14.1024



18.5150, 20.3336, 38.0708



7.0810, 7.0888, 7.4127



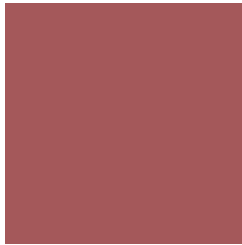
11.7597, 6.0600, 0.6595



0.2492, 0.1282, 0.0251

Previews

White Background



This preview shows how the XYZ color 20.6450, 15.6101, 11.5978 looks on a white background.

Color Contrast Check

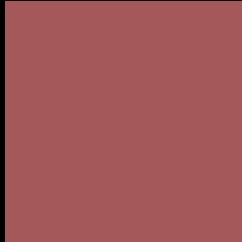
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6450, 15.6101, 11.5978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

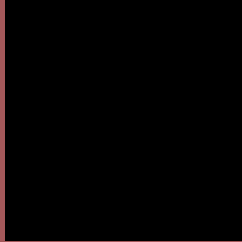
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6450, 15.6101, 11.5978

Background



This preview shows how black text looks on a background with the XYZ color 20.6450, 15.6101, 11.5978.



This preview shows how white text looks on a background with the XYZ color 20.6450, 15.6101,

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

20.6450, 15.6101, 11.5978

Protanopia

14.9951, 15.7363, 14.5590

Deuteranopia

15.9276, 15.6633, 11.2007



Tritanopia

20.7384, 15.5171, 12.4917

Trichromacy



Original Color

20.6450, 15.6101, 11.5978

Protanomaly

16.5819, 15.3524, 13.3986

Deuteranomaly

17.3786, 15.3790, 11.2850

Tritanomaly

20.6938, 15.4992, 12.2569

Monochromacy



Original Color

20.6450, 15.6101, 11.5978

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.5044, 15.4256, 14.9395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6450, 15.6101, 11.5978 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(164, 88, 90)` looks like.

```
.text, #text, p{  
    color:rgb(164, 88, 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(164, 88, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 88, 90) }
```

Border

The CSS property to change the border of an element to XYZ 20.6450, 15.6101, 11.5978 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(164, 88, 90) }
```


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

```
.border{ border-color:rgb(164, 88, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 88, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 88, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 88, 90);  
box-shadow:4px 4px 4px 4px rgb(164, 88,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6450, 15.6101, 11.5978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 88, 90) }
```

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

```
.background{ background-color: rgb(164, 88,  
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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