

Converting Colors

XYZ(20.6641, 15.2695, 31.5986)

Have a look what the booklet for
XYZ(20.6641, 15.2695, 31.5986)
contains.

XYZ(20.7415, 15.3410, 31.5737)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.7415, 15.3410,
31.5737)**

Conversions

Conversions Part 1

Format	Color
Hex	905998
RGB	144, 89, 152
RGB Percent	56%, 35%, 60%
CMY	0.4353, 0.6510, 0.4039
CMYK	0.05, 0.41, 0.00, 0.40
HSL	292°, 26%, 47%
HSV	292°, 41%, 60%
XYZ	20.7415, 15.3410, 31.5737
YIQ	112.6270, 12.5570, 31.2530

Conversions

Conversions Part 2

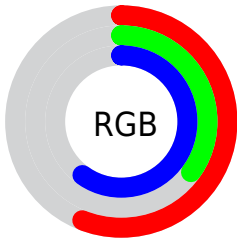
Format	Color
RYB	144, 89, 152
Decimal	9460120
CIELab	46.10, 33.36, -25.31
CIELCh	46, 41.879, 322.811
Yxy	15.3410, 0.3066, 0.2267
Android (android.graphics.Color)	4287650200 (0xFF905998)
YUV	112.6270, 19.4109, 27.5141
Hunter-Lab	39.1676, 25.9828, -20.3774

Details

The XYZ color **20.7415, 15.3410, 31.5737** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.9616, 25.7195, 13.4695**, and the grayscale version is **15.5279, 16.3366, 17.7906**.

A 20% lighter version of the original color is **44.1938, 35.4033, 63.5357**, and **7.5555, 4.8008, 12.8403** is the 20% darker color. If you saturate the color by 10%, you get **19.2708, 12.8954, 31.1794**, and if you desaturate by 10%, it is **22.4802, 18.3132, 32.0560**.

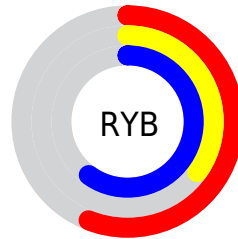
Distribution



Red (56%)

Green (35%)

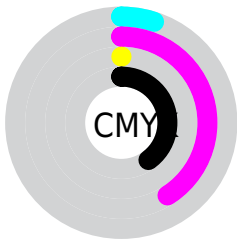
Blue (60%)



Red (56%)

Yellow (35%)

Blue (60%)

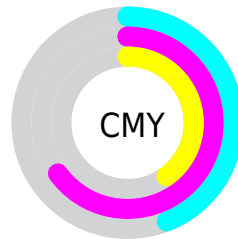


Cyan (5%)

Magenta (41%)

Yellow (0%)

Black (40%)



Cyan (44%)

Magenta (65%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7415, 15.3410, 31.5737 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 20.7415, 15.3410, 31.5737 by changing the saturation by 10% instead.

20.7415, 15.3410,
31.5737

20.7415, 15.3410,
31.5737

248.6593,
225.4210, 323.6054

13.0466, 9.0591,
20.7740

44.1514, 35.4503,
63.2323

7.5378, 4.7797,
12.7693

60.5972, 50.0464,
84.9283

3.8500, 2.1186,
7.1410

80.6905, 68.1828,
111.0934

1.6176, 0.6751,
3.4707

104.7969, 90.2437,
142.1462

0.4038, 0.0000,
1.3397

133.2816,
116.6136, 178.5053

0.0000, 0.0000,
0.0940

166.5100,

0.0000, 0.0000,

147.6768, 220.5892

0.0000

204.8474,
183.8178, 268.8163

■ 20.7415, 15.3410,
31.5737

■ 20.7415, 15.3410,
31.5737

■ 19.2708, 12.8954,
31.1794

■ 22.4802, 18.3132,
32.0560

■ 18.0502, 10.9420,
30.8667

■ 24.5001, 21.8398,
32.6302

■ 17.0624, 9.4455,
30.6299

■ 26.8156, 25.9486,
33.3013

■ 16.2867, 8.3650,
30.4622

■ 29.4393, 30.6655,
34.0734

■ 15.6991, 7.6522,
30.3556

■ 32.3834, 36.0143,
34.9507

■ 15.2932, 7.2292,
30.2954

■ 35.6593, 42.0179,
35.9368

■ 39.2778, 48.6978,
37.0355

■ 43.2492, 56.0748,
38.2501

■ 47.5834, 64.1685,
39.5839

Harmonies

Analogous

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



17.3989, 15.3410, 42.0699



20.7415, 15.3410, 31.5737



22.4803, 15.3410, 19.2787

Triad

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



20.7415, 15.3410, 31.5737



15.4545, 15.3410, 3.8273



9.1384, 15.3410, 25.5139

Complementary

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



20.7415, 15.3410, 31.5737



17.9616, 25.7195, 13.4695

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.



8.7903, 15.3410, 14.3690



20.7415, 15.3410, 31.5737



12.0854, 15.3410, 4.3672

Square

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



20.7415, 15.3410, 31.5737



19.1217, 15.3410, 5.4489



9.7801, 15.3410, 7.4363



10.8231, 15.3410, 37.6907

Rectangle

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



20.7415, 15.3410, 31.5737



22.3250, 15.3410, 12.7234



9.7801, 15.3410, 7.4363



8.8737, 15.3410, 21.4381

Sweetspot

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



20.7420, 15.3417, 31.5740



46.9904, 45.1920, 58.6799



14.0996, 13.0150, 31.4750



10.5666, 10.0688, 13.3040



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.7420, 15.3417, 31.5740



34.1273, 22.9457, 55.0639



20.4775, 15.4030, 22.6283



6.3840, 6.2839, 7.8054



12.8409, 6.0707, 25.4027



0.2108, 0.1005, 0.3807

Inverse Universe

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



18.6794, 14.6838, 13.1595



30.0897, 21.6907, 17.5362



18.2787, 25.7528, 19.3664



6.2391, 6.2348, 6.6394



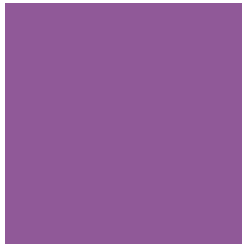
10.9650, 5.6402, 1.0748



0.1712, 0.0872, 0.0543

Previews

White Background



This preview shows how the XYZ color 20.7415, 15.3410, 31.5737 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 20.7415, 15.3410, 31.5737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

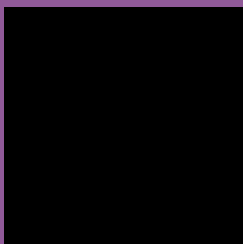
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7415, 15.3410, 31.5737

Background



This preview shows how black text looks on a background with the XYZ color 20.7415, 15.3410, 31.5737.



This preview shows how white text looks on a background with the XYZ color 20.7415, 15.3410,

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

20.7415, 15.3410, 31.5737

Protanopia

16.4574, 15.6390, 38.7104

Deuteranopia

15.7449, 15.4599, 30.1712



Tritanopia

17.5446, 15.3676, 15.6772

Trichromacy



Original Color

20.7415, 15.3410, 31.5737

Protanomaly

17.4819, 15.1672, 36.1886

Deuteranomaly

17.1487, 15.1221, 30.4488

Tritanomaly

18.4826, 15.1899, 20.6967

Monochromacy



Original Color

20.7415, 15.3410, 31.5737

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.0933, 15.7180, 22.2116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7415, 15.3410, 31.5737 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(144, 89, 152)` looks like.

```
.text, #text, p{  
    color:rgb(144, 89, 152)  
}
```

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(144, 89, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 89, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.7415, 15.3410, 31.5737 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(144, 89, 152) }
```


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

```
.border{ border-color:rgb(144, 89, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 89, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 89, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 89, 152);  
box-shadow:4px 4px 4px 4px rgb(144, 89,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7415, 15.3410, 31.5737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 89, 152) }
```

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

```
.background{ background-color: rgb(144, 89,  
152) }
```

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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