

Converting Colors

XYZ(20.1047, 15.6657, 35.3534)

Have a look what the booklet for
XYZ(20.1047, 15.6657, 35.3534)
contains.

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Color

**XYZ(20.1102, 15.7090,
35.2299)**

Conversions

Conversions Part 1

Format	Color
Hex	855FA0
RGB	133, 95, 160
RGB Percent	52%, 37%, 63%
CMY	0.4784, 0.6274, 0.3725
CMYK	0.17, 0.41, 0.00, 0.37
HSL	275°, 25%, 50%
HSV	275°, 41%, 63%
XYZ	20.1102, 15.7090, 35.2299
YIQ	113.7720, 1.7830, 28.2710

Conversions

Conversions Part 2

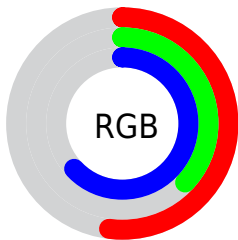
Format	Color
R_{YB}	133, 95, 160
Decimal	8740768
CIE _{Lab}	46.59, 28.15, -29.39
CIE _{LCh}	47, 40.698, 313.771
Yxy	15.7090, 0.2830, 0.2211
Android (android.graphics.Color)	4286930848 (0xFF855FA0)
YUV	113.7720, 22.7904, 16.8630
Hunter-Lab	39.6346, 21.2086, -24.9568

Details

The XYZ color **20.1102, 15.7090, 35.2299** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.6629, 30.1058, 15.4436**, and the grayscale version is **15.8600, 16.6860, 18.1710**.

A 20% lighter version of the original color is **43.0381, 36.0289, 68.9759**, and **7.2434, 4.9905, 14.7688** is the 20% darker color. If you saturate the color by 10%, you get **17.7981, 12.5931, 34.7506**, and if you desaturate by 10%, it is **22.7859, 19.4524, 35.8117**.

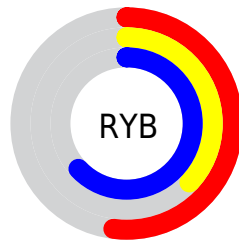
Distribution



Red (52%)

Green (37%)

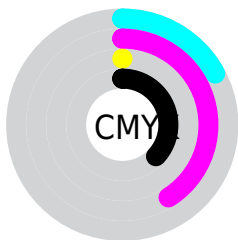
Blue (63%)



Red (52%)

Yellow (37%)

Blue (63%)

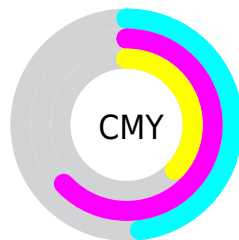


Cyan (17%)

Magenta (41%)

Yellow (0%)

Black (37%)



Cyan (48%)

Magenta (63%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1102, 15.7090, 35.2299 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 20.1102, 15.7090, 35.2299 by changing the saturation by 10% instead.

■ 20.1102, 15.7090,
35.2299

■ 20.1102, 15.7090,
35.2299

245.3333,
227.6184, 340.5170

■ 12.5839, 9.3185,
23.5551

■ 43.1044, 36.0923,
68.9974

■ 7.2177, 4.9495,
14.7947

■ 59.3030, 50.8538,
91.9271

■ 3.6461, 2.2177,
8.5304

■ 79.1231, 69.1745,
119.4455

■ 1.5040, 0.7296,
4.3436

■ 102.9300, 91.4386,
151.9711

■ 0.3285, 0.0000,
1.8157

131.0892,
118.0307, 189.9226

■ 0.0000, 0.0000,
0.4383

163.9658,

■ 0.0000, 0.0000,

149.3351, 233.7183

0.0000

201.9254,
185.7362, 283.7770

■ 20.1102, 15.7090,
35.2299

■ 20.1102, 15.7090,
35.2299

■ 17.7981, 12.5931,
34.7506

■ 22.7859, 19.4524,
35.8117

■ 15.8283, 10.0657,
34.3666

■ 25.8413, 23.8555,
36.5005

■ 14.1800, 8.0862,
34.0714

■ 29.2936, 28.9503,
37.3020

■ 12.8288, 6.6080,
33.8572

■ 33.1584, 34.7663,
38.2209

■ 11.7463, 5.5761,
33.7151

■ 37.4504, 41.3313,
39.2618

■ 10.9141, 4.8935,
33.6272

■ 42.1834, 48.6714,
40.4292

■ 47.3707, 56.8115,
41.7270

■ 53.0249, 65.7756,
43.1592

■ 59.1583, 75.5863,
44.7296

Harmonies

Analogous

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



16.5979, 15.7090, 43.6257



20.1102, 15.7090, 35.2299



22.4040, 15.7090, 23.1029

Triad

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



20.1102, 15.7090, 35.2299



16.9001, 15.7090, 4.4397



9.2826, 15.7090, 22.1370

Complementary

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



20.1102, 15.7090, 35.2299



22.6629, 30.1058, 15.4436

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.



9.3374, 15.7090, 12.2460



20.1102, 15.7090, 35.2299



13.3795, 15.7090, 4.3528

Square

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



20.1102, 15.7090, 35.2299



20.3612, 15.7090, 6.9060



10.7273, 15.7090, 6.5903



10.5637, 15.7090, 34.2882

Rectangle

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



20.1102, 15.7090, 35.2299



22.7394, 15.7090, 15.8630



10.7273, 15.7090, 6.5903



9.1524, 15.7090, 18.4091

Sweetspot

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



20.1108, 15.7096, 35.2303



52.1308, 50.9907, 67.4811



18.0348, 18.9111, 35.9576



11.2634, 10.9312, 14.7599



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.



20.1108, 15.7096, 35.2303



32.5807, 23.2146, 63.1502



24.4713, 18.0111, 33.0142



6.6375, 6.6171, 8.3341



8.5528, 3.8382, 26.1973



0.2003, 0.0931, 0.4706

Inverse Universe

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



22.1027, 17.0637, 20.5416



36.9840, 26.1869, 31.6232



19.6111, 28.5031, 16.6313



6.7416, 6.6896, 7.4904



12.0908, 6.1409, 4.7289



0.2367, 0.1180, 0.1928

Previews

White Background



This preview shows how the XYZ color 20.1102, 15.7090, 35.2299 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 20.1102, 15.7090, 35.2299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

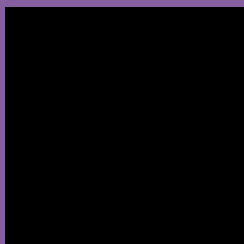
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1102, 15.7090, 35.2299

Background



This preview shows how black text looks on a background with the XYZ color 20.1102, 15.7090, 35.2299.



This preview shows how white text looks on a background with the XYZ color 20.1102, 15.7090,

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

20.1102, 15.7090, 35.2299

Protanopia

16.8438, 15.9523, 40.7194

Deuteranopia

16.1759, 15.9133, 34.1173



Tritanopia

16.4897, 15.6554, 17.7755

Trichromacy



Original Color

20.1102, 15.7090, 35.2299

Protanomaly

17.6343, 15.6337, 38.6474

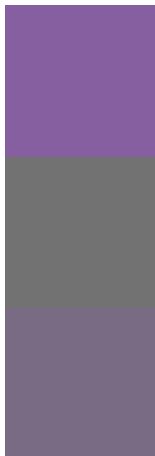
Deuteranomaly

17.4075, 15.7599, 34.4722

Tritanomaly

17.5850, 15.5083, 23.1857

Monochromacy



Original Color

20.1102, 15.7090, 35.2299

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.2396, 16.2190, 23.6947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1102, 15.7090, 35.2299 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(133, 95, 160)` looks like.

```
.text, #text, p{  
    color:rgb(133, 95, 160)  
}
```

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(133, 95, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 95, 160) }
```

Border

The CSS property to change the border of an element to XYZ 20.1102, 15.7090, 35.2299 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(133, 95, 160) }
```


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

```
.border{ border-color:rgb(133, 95, 160) }
```

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

Here you see how a box with a 4 pixel rgb(133, 95, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 95, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 95, 160);  
box-shadow:4px 4px 4px 4px rgb(133, 95,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1102, 15.7090, 35.2299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 95, 160) }
```

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

```
.background{ background-color: rgb(133, 95,  
160) }
```

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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