

Converting Colors

XYZ(21.1135, 15.7945, 33.0640)

Have a look what the booklet for
XYZ(21.1135, 15.7945, 33.0640)
contains.

XYZ(20.9852, 15.6884, 32.9325)	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(20.9852, 15.6884,
32.9325)**

Conversions

Conversions Part 1

Format	Color
Hex	8F5B9B
RGB	143, 91, 155
RGB Percent	56%, 36%, 61%
CMY	0.4392, 0.6431, 0.3922
CMYK	0.08, 0.41, 0.00, 0.39
HSL	289°, 26%, 48%
HSV	289°, 41%, 61%
XYZ	20.9852, 15.6884, 32.9325
YIQ	113.8440, 10.4480, 30.9280

Conversions

Conversions Part 2

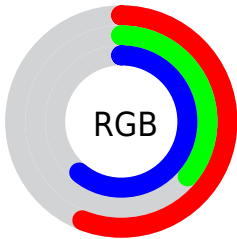
Format	Color
R_{YB}	143, 91, 155
Decimal	9395099
CIE _{Lab}	46.56, 32.53, -26.38
CIE _{LCh}	47, 41.886, 320.958
Yxy	15.6884, 0.3015, 0.2254
Android (android.graphics.Color)	4287585179 (0xFF8F5B9B)
YUV	113.8440, 20.2899, 25.5698
Hunter-Lab	39.6086, 25.2569, -21.5706

Details

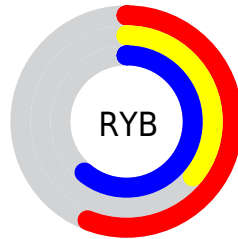
The XYZ color **20.9852, 15.6884, 32.9325** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2037, 27.0820, 14.1135**, and the grayscale version is **15.8870, 16.7144, 18.2019**.

A 20% lighter version of the original color is **44.5946, 36.0049, 65.5720**, and **7.6770, 4.9514, 13.6478** is the 20% darker color. If you saturate the color by 10%, you get **19.2980, 13.0510, 32.5126**, and if you desaturate by 10%, it is **22.9601, 18.8812, 33.4449**.

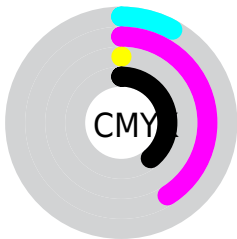
Distribution



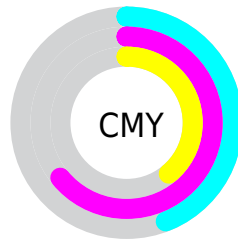
- Red (56%)
- Green (36%)
- Blue (61%)



- Red (56%)
- Yellow (36%)
- Blue (61%)



- Cyan (8%)
- Magenta (41%)
- Yellow (0%)
- Black (39%)



- Cyan (44%)
- Magenta (64%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9852, 15.6884, 32.9325 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 20.9852, 15.6884, 32.9325 by changing the saturation by 10% instead.

■ 20.9852, 15.6884,
32.9325

■ 20.9852, 15.6884,
32.9325

249.9330,
227.4959, 329.9681

■ 13.2256, 9.3039,
21.8040

■ 44.5544, 36.0564,
65.3849

■ 7.6621, 4.9400,
13.5160

■ 61.0946, 50.8087,
87.5460

■ 3.9295, 2.2121,
7.6500

■ 81.2925, 69.1191,
114.2217

■ 1.6623, 0.7266,
3.7873

■ 105.5133, 91.3720,
145.8305

■ 0.4325, 0.0000,
1.5094

134.1224,
117.9517, 182.7910

■ 0.0000, 0.0000,
0.2249

167.4851,

■ 0.0000, 0.0000,

149.2427, 225.5218

0.0000

205.9669,
185.6293, 274.4413

■ 20.9852, 15.6884,
32.9325

■ 20.9852, 15.6884,
32.9325

■ 19.2980, 13.0510,
32.5126

■ 22.9601, 18.8812,
33.4449

■ 17.8800, 10.9330,
32.1785

■ 25.2369, 22.6585,
34.0540

■ 16.7126, 9.2973,
31.9243

■ 27.8304, 27.0498,
34.7649

■ 15.7744, 8.1009,
31.7428

■ 30.7542, 32.0818,
35.5821

■ 15.0399, 7.2932,
31.6257

■ 34.0210, 37.7799,
36.5098

■ 14.5116, 6.7975,
31.5578

■ 37.6427, 44.1680,
37.5519

■ 41.6309, 51.2686,
38.7123

■ 45.9964, 59.1035,
39.9945

■ 50.7496, 67.6935,
41.4020

Harmonies

Analogous

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



17.5372, 15.6884, 43.2183



20.9852, 15.6884, 32.9325



22.8797, 15.6884, 20.4043

Triad

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



20.9852, 15.6884, 32.9325



16.0303, 15.6884, 4.0028



9.3184, 15.6884, 25.2339

Complementary

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



20.9852, 15.6884, 32.9325



19.2037, 27.0820, 14.1135

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.



9.0481, 15.6884, 14.1415



20.9852, 15.6884, 32.9325



12.5616, 15.6884, 4.4231

Square

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



20.9852, 15.6884, 32.9325



19.7303, 15.6884, 5.8192



10.1396, 15.6884, 7.3633



10.9489, 15.6884, 37.6675

Rectangle

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



20.9852, 15.6884, 32.9325



22.8261, 15.6884, 13.5718



10.1396, 15.6884, 7.3633



9.0771, 15.6884, 21.1506

Sweetspot

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



20.9857, 15.6891, 32.9328



49.3767, 47.6509, 62.1314



15.1616, 14.4519, 33.0010



11.0460, 10.5637, 14.0272



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.9857, 15.6891, 32.9328



34.6476, 23.5062, 58.2473



21.6889, 16.2233, 25.2069



6.3477, 6.2651, 7.8037



11.6855, 5.4751, 25.3486



0.2007, 0.0953, 0.3802

Inverse Universe

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



19.7074, 15.4307, 14.7724



32.2022, 23.0806, 20.4034



18.8617, 26.7974, 18.9880



6.2538, 6.2407, 6.7165



11.0472, 5.6731, 1.5075



0.1754, 0.0889, 0.0766

Previews

White Background



This preview shows how the XYZ color 20.9852, 15.6884, 32.9325 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 20.9852, 15.6884, 32.9325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

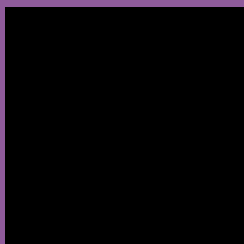
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9852, 15.6884, 32.9325

Background



This preview shows how black text looks on a background with the XYZ color 20.9852, 15.6884, 32.9325.



This preview shows how white text looks on a background with the XYZ color 20.9852, 15.6884,

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

20.9852, 15.6884, 32.9325

Protanopia

16.7499, 15.9257, 39.7273

Deuteranopia

16.1731, 15.8009, 31.9032



Tritanopia

17.5673, 15.6457, 16.5620

Trichromacy



Original Color

20.9852, 15.6884, 32.9325

Protanomaly

17.7589, 15.4343, 37.1651

Deuteranomaly

17.4406, 15.3801, 32.1864

Tritanomaly

18.6881, 15.5447, 21.7541

Monochromacy



Original Color

20.9852, 15.6884, 32.9325

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.5739, 16.2530, 22.9798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9852, 15.6884, 32.9325 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(143, 91, 155)` looks like.

```
.text, #text, p{  
    color:rgb(143, 91, 155)  
}
```

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(143, 91, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 91, 155) }
```

Border

The CSS property to change the border of an element to XYZ 20.9852, 15.6884, 32.9325 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(143, 91, 155) }
```


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

```
.border{ border-color:rgb(143, 91, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 91, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 91, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 91, 155); box-shadow:4px 4px 4px 4px rgb(143, 91, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9852, 15.6884, 32.9325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 91, 155) }
```

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

```
.background{ background-color: rgb(143, 91,  
155) }
```

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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