

Converting Colors

XYZ(20.2959, 9.8081, 30.5342)

Have a look what the booklet for
XYZ(20.2959, 9.8081, 30.5342)
contains.

XYZ(20.3654, 9.8441, 30.5325)	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(20.3654, 9.8441,
30.5325)**

Conversions

Conversions Part 1

Format	Color
Hex	A10098
RGB	161, 0, 152
RGB Percent	63%, 0%, 60%
CMY	0.3686, 0.9999, 0.4039
CMYK	0.00, 1.00, 0.06, 0.37
HSL	303°, 100%, 32%
HSV	303°, 100%, 63%
XYZ	20.3654, 9.8441, 30.5325
YIQ	65.4670, 47.1640, 81.4040

Conversions

Conversions Part 2

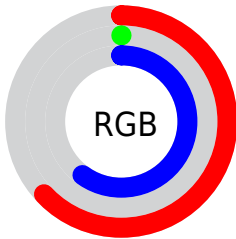
Format	Color
R_{YB}	161, 0, 152
Decimal	10551448
CIE _{Lab}	37.56, 68.33, -38.56
CIE _{LCh}	38, 78.458, 330.562
Yxy	9.8441, 0.3353, 0.1621
Android (android.graphics.Color)	4288741528 (0xFFA10098)
YUV	65.4670, 42.6608, 83.7824
Hunter-Lab	31.3753, 60.9558, -35.7346

Details

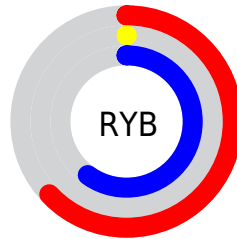
The XYZ color **20.3654, 9.8441, 30.5325** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.7946, 25.5098, 4.5086**, and the grayscale version is **5.0293, 5.2913, 5.7622**.

A 20% lighter version of the original color is **43.4183, 25.4499, 61.6554**, and **8.1259, 3.9234, 12.3856** is the 20% darker color. If you saturate the color by 10%, you get **20.3655, 9.8441, 30.5321**, and if you desaturate by 10%, it is **20.6267, 10.2479, 30.9848**.

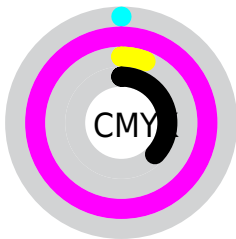
Distribution



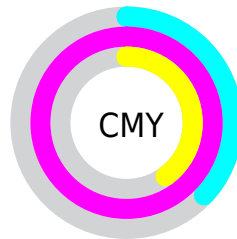
- Red (63%)
- Green (0%)
- Blue (60%)



- Red (63%)
- Yellow (0%)
- Blue (60%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (37%)





- Cyan (37%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3654, 9.8441, 30.5325 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 20.3654, 9.8441, 30.5325 by changing the saturation by 10% instead.


 20.3654, 9.8441,
30.5325


 20.3654, 9.8441,
30.5325


246.6825,
189.5557, 318.6630


 12.7707, 5.2957,
19.9876


 43.5282, 25.5019,
61.5742


 7.3468, 2.4218,
12.2021


 59.8271, 37.3800,
82.9081

 3.7282, 0.8371,
6.7572

 79.7581, 52.4702,
108.6755

 1.5495, 0.0000,
3.2346

 103.6866, 71.1569,
139.2949

 0.3592, 0.0000,
1.2156

 131.9780, 93.8243,
175.1848

 0.0000, 0.0000,
0.0000

 164.9975,

120.8571, 216.7637

203.1105,
152.6394, 264.4503

■ 20.3654, 9.8441,
30.5325

■ 20.3654, 9.8441,
30.5325

■ 20.3655, 9.8441,
30.5321

■ 20.6267, 10.2479,
30.9848

■ 21.0367, 10.9485,
31.4894

■ 21.6594, 12.0739,
32.0676

■ 22.5223, 13.6784,
32.7287

■ 23.6483, 15.8083,
33.4803

■ 25.0579, 18.5047,
34.3292

■ 26.7696, 21.8042,
35.2816

■ 28.8002, 25.7407,
36.3431

■ 31.1654, 30.3454,
37.5189

Harmonies

Analogous

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



15.0934, 9.8441, 55.6492



20.3654, 9.8441, 30.5325



22.5039, 9.8441, 10.4528

Triad

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



20.3654, 9.8441, 30.5325



9.2632, 9.8441, 0.0000



3.3117, 9.8441, 31.4749

Complementary

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



20.3654, 9.8441, 30.5325



12.7946, 25.5098, 4.5086

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.



2.6921, 9.8441, 10.9888



20.3654, 9.8441, 30.5325



5.2960, 9.8441, 0.0000

Square

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



20.3654, 9.8441, 30.5325



14.8715, 9.8441, 0.0000



3.2651, 9.8441, 2.1178



5.4077, 9.8441, 56.4568

Rectangle

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



20.3654, 9.8441, 30.5325



21.4313, 9.8441, 3.7017



3.2651, 9.8441, 2.1178



2.9655, 9.8441, 23.4618

Sweetspot

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



20.3658, 9.8446, 30.5327



47.7500, 38.6784, 63.0825



6.5343, 2.6257, 33.8809



10.1953, 7.9481, 13.6834



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.



20.3658, 9.8446, 30.5327



36.4478, 17.6199, 54.5496



15.8831, 8.0515, 6.9271



7.3471, 7.1953, 8.8145



16.2703, 7.8642, 24.4115



0.3467, 0.1672, 0.5383

Inverse Universe

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



20.3658, 9.8446, 30.5327



36.4478, 17.6199, 54.5496



14.5299, 26.2039, 13.6466



7.3471, 7.1953, 8.8145



16.2703, 7.8642, 24.4115



0.3467, 0.1672, 0.5383

Previews

White Background



This preview shows how the XYZ color 20.3654, 9.8441, 30.5325 looks on a white background.

Color Contrast Check

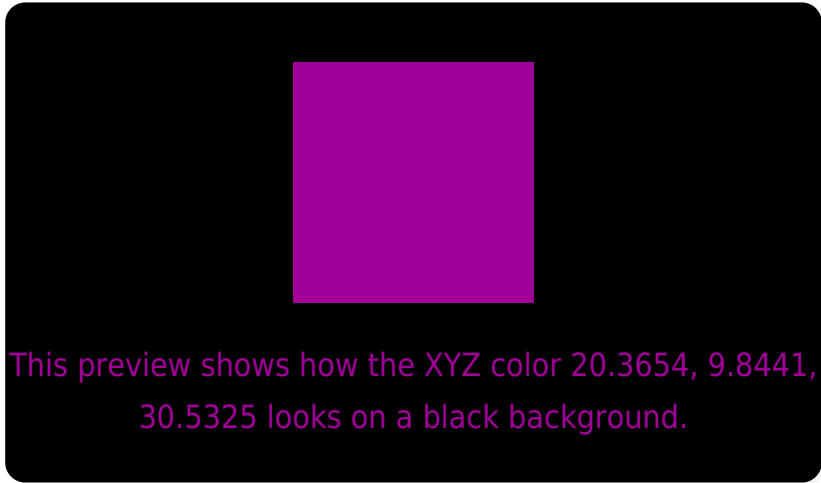
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 20.3654, 9.8441, 30.5325

Background



This preview shows how black text looks on a background with the XYZ color 20.3654, 9.8441, 30.5325.



This preview shows how white text looks on a background with the XYZ color 20.3654, 9.8441,

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

20.3654, 9.8441, 30.5325

Protanopia

12.3526, 10.5246, 47.8348

Deuteranopia

10.7489, 10.5221, 27.4510



Tritanopia

15.4902, 10.2773, 6.0178

Trichromacy



Original Color

20.3654, 9.8441, 30.5325



Protanomaly

10.8578, 6.8141, 40.7874



Deuteranomaly

11.8470, 7.7541, 28.0664



Tritanomaly

16.3220, 9.1993, 11.9817

Monochromacy



Original Color

20.3654, 9.8441, 30.5325



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

8.2061, 5.1583, 11.8724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3654, 9.8441, 30.5325 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, 0, 152)` looks like.

```
.text, #text, p{  
    color:rgb(161, 0, 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(161, 0, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.3654, 9.8441, 30.5325 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, 0, 152) }
```


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

```
.border{ border-color:rgb(161, 0, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 0, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 152);  
box-shadow:4px 4px 4px 4px rgb(161, 0,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3654, 9.8441, 30.5325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 0, 152) }
```

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

```
.background{ background-color: rgb(161, 0,  
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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