

Converting Colors

XYZ(20.1080, 9.8304, 30.8447)

Have a look what the booklet for
XYZ(20.1080, 9.8304, 30.8447)
contains.

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Color

**XYZ(20.1347, 9.8445,
30.9760)**

Conversions

Conversions Part 1

Format	Color
Hex	9F0899
RGB	159, 8, 153
RGB Percent	62%, 3%, 60%
CMY	0.3765, 0.9686, 0.4000
CMYK	0.00, 0.95, 0.04, 0.38
HSL	302°, 90%, 33%
HSV	302°, 95%, 62%
XYZ	20.1347, 9.8445, 30.9760
YIQ	69.6790, 43.4510, 77.1070

Conversions

Conversions Part 2

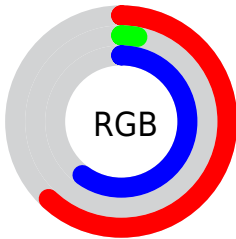
Format	Color
RYB	159, 8, 153
Decimal	10422425
CIELab	37.56, 67.19, -39.19
CIElCh	38, 77.785, 329.747
Yxy	9.8445, 0.3303, 0.1615
Android (android.graphics.Color)	4288612505 (0xFF9F0899)
YUV	69.6790, 41.0773, 78.3345
Hunter-Lab	31.3759, 59.6398, -36.5711

Details

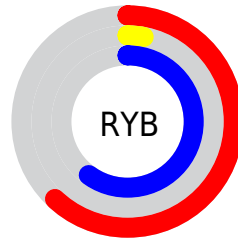
The XYZ color **20.1347, 9.8445, 30.9760** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.5780, 24.8801, 4.5555**, and the grayscale version is **5.6991, 5.9959, 6.5295**.

A 20% lighter version of the original color is **43.0937, 25.4923, 62.3237**, and **7.9425, 3.8231, 12.6312** is the 20% darker color. If you saturate the color by 10%, you get **20.0218, 9.6604, 30.8088**, and if you desaturate by 10%, it is **20.4253, 10.3417, 31.3312**.

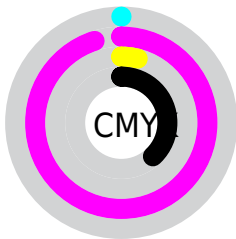
Distribution



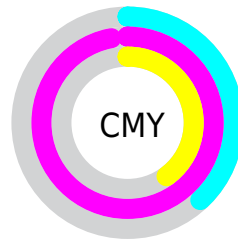
- Red (62%)
- Green (3%)
- Blue (60%)



- Red (62%)
- Yellow (3%)
- Blue (60%)



- Cyan (0%)
- Magenta (95%)
- Yellow (4%)
- Black (38%)



- Cyan (38%)
- Magenta (97%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1347, 9.8445, 30.9760 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 20.1347, 9.8445, 30.9760 by changing the saturation by 10% instead.


 20.1347, 9.8445,
30.9760


 20.1347, 9.8445,
30.9760


245.4631,
189.5586, 320.7755


 12.6018, 5.2960,
20.3223


 43.1451, 25.5026,
62.2814

 7.2300, 2.4220,
12.4431


 59.3534, 37.3810,
83.7702


 3.6540, 0.8371,
6.9200


 79.1842, 52.4714,
109.7077

 1.5083, 0.0000,
3.3344

 103.0028, 71.1584,
140.5125

 0.3315, 0.0000,
1.2678

 131.1746, 93.8261,
176.6032

 0.0000, 0.0000,
0.0352

 164.0651,

 0.0000, 0.0000,

120.8592, 218.3982

0.0000

202.0394,
152.6419, 266.3161

■ 20.1347, 9.8445,
30.9760

■ 20.1347, 9.8445,
30.9760

■ 20.0218, 9.6604,
30.8088

■ 20.4253, 10.3417,
31.3312

■ 20.9057, 11.2182,
31.7508

■ 21.6064, 12.5350,
32.2454

■ 22.5518, 14.3407,
32.8228

■ 23.7628, 16.6771,
33.4901

■ 25.2581, 19.5818,
34.2537

■ 27.0549, 23.0890,
35.1190

■ 29.1689, 27.2301,
36.0915

■ 31.6147, 32.0343,
37.1759

Harmonies

Analogous

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



14.8776, 9.8445, 55.6261



20.1347, 9.8445, 30.9760



22.3587, 9.8445, 10.8392

Triad

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



20.1347, 9.8445, 30.9760



9.3988, 9.8445, 0.0000



3.3133, 9.8445, 30.5569

Complementary

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



20.1347, 9.8445, 30.9760



12.5780, 24.8801, 4.5555

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.



2.7279, 9.8445, 10.5996



20.1347, 9.8445, 30.9760



5.4051, 9.8445, 0.0000

Square

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



20.1347, 9.8445, 30.9760



14.9765, 9.8445, 0.0000



3.3343, 9.8445, 2.0444



5.3550, 9.8445, 55.2678

Rectangle

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



20.1347, 9.8445, 30.9760



21.3795, 9.8445, 3.9250



3.3343, 9.8445, 2.0444



2.9798, 9.8445, 22.7215

Sweetspot

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



20.1351, 9.8450, 30.9762



47.2384, 38.9775, 62.3187



6.5118, 2.7632, 32.9915



10.3564, 8.2147, 13.9079



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.



20.1351, 9.8450, 30.9762



35.8390, 17.2936, 55.0816



15.7776, 8.1020, 8.0297



6.8928, 6.7500, 8.2864



15.8174, 7.6315, 24.3532



0.2860, 0.1377, 0.4520

Inverse Universe

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



20.1351, 9.8450, 30.9762



35.8390, 17.2936, 55.0816



14.2826, 25.5619, 13.5317



6.8928, 6.7500, 8.2864



15.8174, 7.6315, 24.3532



0.2860, 0.1377, 0.4520

Previews

White Background



This preview shows how the XYZ color 20.1347, 9.8445, 30.9760 looks on a white background.

Color Contrast Check

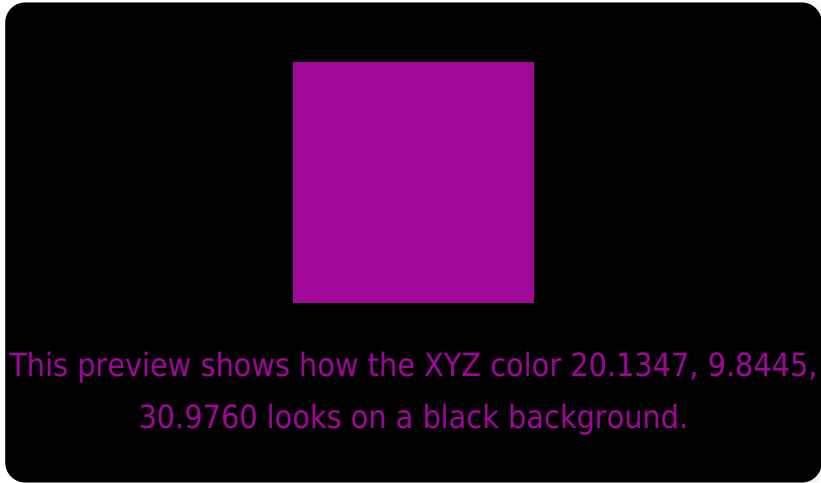
Large Text (above 18pt) WCAG AA ✓ Pass

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

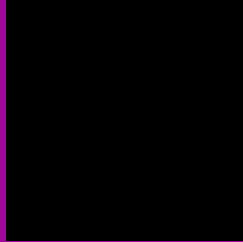
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1347, 9.8445, 30.9760

Background



This preview shows how black text looks on a background with the XYZ color 20.1347, 9.8445, 30.9760.



This preview shows how white text looks on a background with the XYZ color 20.1347, 9.8445,

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

20.1347, 9.8445, 30.9760

Protanopia

12.1652, 10.3192, 47.2496

Deuteranopia

10.6386, 10.4564, 27.8431



Tritanopia

15.1189, 10.0859, 6.0004

Trichromacy



Original Color

20.1347, 9.8445, 30.9760



Protanomaly

10.8008, 6.9428, 40.3060



Deuteranomaly

11.7591, 7.9309, 28.5148



Tritanomaly

16.0411, 9.2027, 11.9972

Monochromacy



Original Color

20.1347, 9.8445, 30.9760



Achromatopsia

5.8214, 6.1246, 6.6697



Achromatomaly

8.7963, 5.7779, 12.7082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1347, 9.8445, 30.9760 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(159, 8, 153)` looks like.

```
.text, #text, p{  
    color:rgb(159, 8, 153)  
}
```

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(159, 8, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 8, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.1347, 9.8445, 30.9760 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(159, 8, 153) }
```


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

```
.border{ border-color:rgb(159, 8, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 8, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 8, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 8, 153);  
box-shadow:4px 4px 4px 4px rgb(159, 8,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1347, 9.8445, 30.9760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 8, 153) }
```

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

```
.background{ background-color: rgb(159, 8,  
153) }
```

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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