

Converting Colors

XYZ(20.7013, 10.0301, 29.9663)

Have a look what the booklet for
XYZ(20.7013, 10.0301, 29.9663)
contains.

XYZ(20.6902, 10.0209, 30.1219)	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(20.6902, 10.0209,
30.1219)**

Conversions

Conversions Part 1

Format	Color
Hex	A30097
RGB	163, 0, 151
RGB Percent	64%, 0%, 59%
CMY	0.3608, 0.9999, 0.4078
CMYK	0.00, 1.00, 0.07, 0.36
HSL	304°, 100%, 32%
HSV	304°, 100%, 64%
XYZ	20.6902, 10.0209, 30.1219
YIQ	65.9510, 48.6770, 81.5170

Conversions

Conversions Part 2

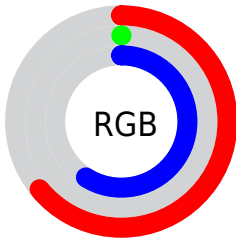
Format	Color
RYB	163, 0, 151
Decimal	10682519
CIELab	37.88, 68.54, -37.42
CIElCh	38, 78.087, 331.365
Yxy	10.0209, 0.3401, 0.1647
Android (android.graphics.Color)	4288872599 (0xFFA30097)
YUV	65.9510, 41.9292, 85.1120
Hunter-Lab	31.6558, 61.2697, -34.2580

Details

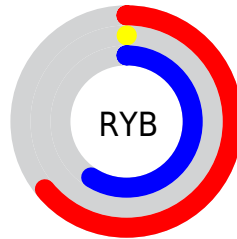
The XYZ color **20.6902, 10.0209, 30.1219** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.1641, 26.2214, 4.7158**, and the grayscale version is **5.1042, 5.3700, 5.8480**.

A 20% lighter version of the original color is **44.2072, 25.8707, 61.0561**, and **8.1960, 3.9650, 12.1377** is the 20% darker color. If you saturate the color by 10%, you get **20.6903, 10.0210, 30.1215**, and if you desaturate by 10%, it is **20.9784, 10.4403, 30.7014**.

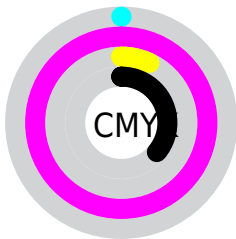
Distribution



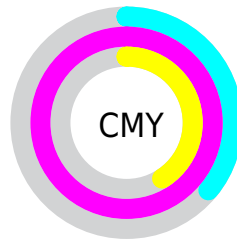
- Red (64%)
- Green (0%)
- Blue (59%)



- Red (64%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (36%)





- Cyan (36%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6902, 10.0209, 30.1219 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 20.6902, 10.0209, 30.1219 by changing the saturation by 10% instead.


 20.6902, 10.0209,
30.1219


 20.6902, 10.0209,
30.1219


248.3905,
190.8212, 316.6972


 13.0089, 5.4128,
19.6783


 44.0665, 25.8348,
60.9182

 7.5117, 2.4915,
11.9797


 60.4923, 37.8094,
82.1079


 3.8333, 0.8724,
6.6075

 80.5636, 53.0083,
107.7168

 1.6083, 0.0000,
3.1431

 104.6458, 71.8159,
138.1634

 0.3978, 0.0000,
1.1682

 133.1042, 94.6166,
173.8662

 0.0000, 0.0000,
0.0000

 166.3042,

121.7948, 215.2437

204.6112,
153.7348, 262.7146

■ 20.6902, 10.0209,
30.1219

■ 20.6902, 10.0209,
30.1219

■ 20.6903, 10.0210,
30.1215

■ 20.9784, 10.4403,
30.7014

■ 21.4207, 11.1664,
31.3371

■ 22.0823, 12.3296,
32.0509

■ 22.9912, 13.9859,
32.8520

■ 24.1714, 16.1831,
33.7485

■ 25.6441, 18.9635,
34.7475

■ 27.4280, 22.3651,
35.8552

■ 29.5408, 26.4226,
37.0775

■ 31.9984, 31.1682,
38.4198

Harmonies

Analogous

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



15.4513, 10.0209, 55.3026



20.6902, 10.0209, 30.1219



22.7195, 10.0209, 10.2686

Triad

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



20.6902, 10.0209, 30.1219



9.2975, 10.0209, 0.0000



3.4509, 10.0209, 32.4119

Complementary

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



20.6902, 10.0209, 30.1219



13.1641, 26.2214, 4.7158

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.



2.7866, 10.0209, 11.5798



20.6902, 10.0209, 30.1219



5.3481, 10.0209, 0.0000

Square

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



20.6902, 10.0209, 30.1219



14.9104, 10.0209, 0.0000



3.3359, 10.0209, 2.3236



5.6225, 10.0209, 57.2594

Rectangle

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



20.6902, 10.0209, 30.1219



21.5658, 10.0209, 3.6434



3.3359, 10.0209, 2.3236



3.0866, 10.0209, 24.3181

Sweetspot

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



20.6906, 10.0214, 30.1221



48.9242, 39.6773, 64.0952



6.7476, 2.7151, 34.8192



10.6876, 8.3371, 14.2123



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.6906, 10.0214, 30.1221



37.0219, 17.9336, 53.7742



16.2306, 8.2374, 6.6360



7.3417, 7.1931, 8.7859



16.0872, 7.7909, 23.4477



0.3442, 0.1662, 0.5254

Inverse Universe

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



20.6906, 10.0214, 30.1221



37.0219, 17.9336, 53.7742



15.0458, 26.9741, 14.6249



7.3417, 7.1931, 8.7859



16.0872, 7.7909, 23.4477



0.3442, 0.1662, 0.5254

Previews

White Background



This preview shows how the XYZ color 20.6902, 10.0209, 30.1219 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

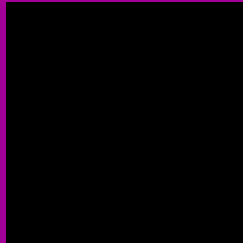
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6902, 10.0209, 30.1219

Background



This preview shows how black text looks on a background with the XYZ color 20.6902, 10.0209, 30.1219.



This preview shows how white text looks on a background with the XYZ color 20.6902, 10.0209,

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

20.6902, 10.0209, 30.1219

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

10.9564, 10.7655, 27.0917



Tritanopia

15.7876, 10.3568, 5.8696

Trichromacy



Original Color

20.6902, 10.0209, 30.1219



Protanomaly

11.0046, 6.9512, 41.3191



Deuteranomaly

12.0416, 7.9390, 27.6858



Tritanomaly

16.6633, 9.3805, 11.7588

Monochromacy



Original Color

20.6902, 10.0209, 30.1219



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

8.3525, 5.2857, 11.8893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6902, 10.0209, 30.1219 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(163, 0, 151)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 151)  
}
```

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(163, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 151) }
```

Border

The CSS property to change the border of an element to XYZ 20.6902, 10.0209, 30.1219 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(163, 0, 151) }
```


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

```
.border{ border-color:rgb(163, 0, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 0, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6902, 10.0209, 30.1219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 151) }
```

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

```
.background{ background-color: rgb(163, 0,  
151) }
```

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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