

Converting Colors

XYZ(20.0984, 10.2420, 6.3193)

Have a look what the booklet for
XYZ(20.0984, 10.2420, 6.3193)
contains.

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Color

**XYZ(20.0994, 10.2411,
6.3862)**

Conversions

Conversions Part 1

Format	Color
Hex	B50044
RGB	181, 0, 68
RGB Percent	71%, 0%, 27%
CMY	0.2902, 0.9999, 0.7333
CMYK	0.00, 1.00, 0.62, 0.29
HSL	337°, 100%, 35%
HSV	337°, 100%, 71%
XYZ	20.0994, 10.2411, 6.3862
YIQ	61.8710, 86.0480, 59.5200

Conversions

Conversions Part 2

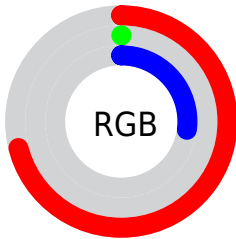
Format	Color
R_{YB}	181, 0, 68
Decimal	11862084
CIE _{Lab}	38.27, 63.96, 15.87
CIE _{LCh}	38, 65.896, 13.932
Yxy	10.2411, 0.5473, 0.2788
Android (android.graphics.Color)	4290052164 (0xFFB50044)
YUV	61.8710, 3.0216, 104.4761
Hunter-Lab	32.0017, 56.1079, 10.5694

Details

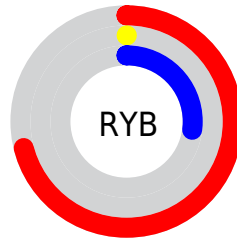
The XYZ color **20.0994, 10.2411, 6.3862** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.5065, 34.2407, 21.2130**, and the grayscale version is **4.5497, 4.7866, 5.2126**.

A 20% lighter version of the original color is **43.0570, 26.2005, 19.3108**, and **7.9322, 4.0677, 1.3443** is the 20% darker color. If you saturate the color by 10%, you get **20.0987, 10.2408, 6.3830**, and if you desaturate by 10%, it is **20.6967, 10.8295, 8.4544**.

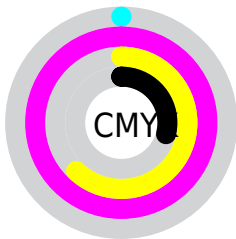
Distribution



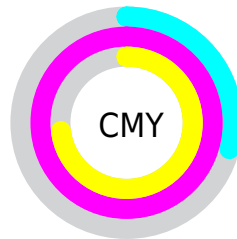
- Red (71%)
- Green (0%)
- Blue (27%)



- Red (71%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0994, 10.2411, 6.3862 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 20.0994, 10.2411, 6.3862 by changing the saturation by 10% instead.


 20.0994, 10.2411,
6.3862


 20.0994, 10.2411,
6.3862


245.2760,
192.3843, 171.8940


 12.5760, 5.5591,
3.0087


 43.0864, 26.2480,
19.2187


 7.2122, 2.5789,
1.0991


 59.2808, 38.3417,
29.5108


 3.6427, 0.9161,
0.0000

 79.0962, 53.6748,
42.9449

 1.5020, 0.0000,
0.0000

 102.8980, 72.6316,
59.9396

 0.3272, 0.0000,
0.0000

 131.0515, 95.5966,
80.9132

 0.0000, 0.0000,
0.0000

 163.9221,

122.9541, 106.2845

201.8752,
155.0885, 136.4719

■ 20.0994, 10.2411,
6.3862

■ 20.0994, 10.2411,
6.3862

■ 20.0987, 10.2408,
6.3830

■ 20.6967, 10.8295,
8.4544

■ 21.5651, 11.8480,
10.9585

■ 22.7842, 13.4505,
13.9413

■ 24.3936, 15.7114,
17.4311

■ 26.4275, 18.6942,
21.4537

■ 28.9159, 22.4548,
26.0326

■ 31.8860, 27.0433,
31.1898

■ 35.3630, 32.5060,
36.9461

■ 39.3699, 38.8853,
43.3208

Harmonies

Analogous

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



19.9709, 10.2411, 19.0248



20.0994, 10.2411, 6.3862



16.9408, 10.2411, 1.4915

Triad

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



20.0994, 10.2411, 6.3862



5.0695, 10.2411, 1.3348



7.6300, 10.2411, 52.5633

Complementary

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



20.0994, 10.2411, 6.3862



19.5065, 34.2407, 21.2130

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.



4.9304, 10.2411, 36.7818



20.0994, 10.2411, 6.3862



3.7760, 10.2411, 5.8187

Square

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



20.0994, 10.2411, 6.3862



7.8847, 10.2411, 0.1418



3.7339, 10.2411, 17.8388



11.8517, 10.2411, 53.2050

Rectangle

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



20.0994, 10.2411, 6.3862



13.8145, 10.2411, 0.4750



3.7339, 10.2411, 17.8388



6.5481, 10.2411, 48.5214

Sweetspot

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



20.0996, 10.2417, 6.3863



56.8098, 47.9702, 55.3555



14.9757, 6.7573, 44.2307



11.7829, 9.5988, 11.1139



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.0996, 10.2417, 6.3863



35.8951, 18.3006, 10.8972



19.3269, 10.3654, 0.9830



8.6240, 8.5563, 9.5183



13.8870, 7.0724, 4.5650



0.4658, 0.2341, 0.2957

Inverse Universe

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



20.0996, 10.2417, 6.3863



35.8951, 18.3006, 10.8972



20.8920, 28.4387, 48.1038



8.6240, 8.5563, 9.5183



13.8870, 7.0724, 4.5650



0.4658, 0.2341, 0.2957

Previews

White Background



This preview shows how the XYZ color 20.0994, 10.2411, 6.3862 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 20.0994, 10.2411, 6.3862

Background



This preview shows how black text looks on a background with the XYZ color 20.0994, 10.2411, 6.3862.



This preview shows how white text looks on a background with the XYZ color 20.0994, 10.2411,

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

20.0994, 10.2411, 6.3862

Protanopia

10.6416, 10.9015, 13.5999

Deuteranopia

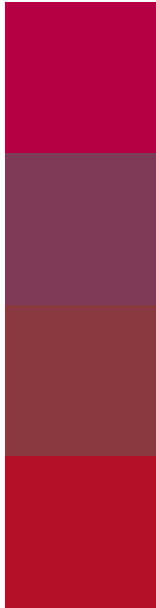
11.0701, 10.9157, 5.7985



Tritanopia

19.3898, 10.5574, 1.9355

Trichromacy



Original Color

20.0994, 10.2411, 6.3862

Protanomaly

11.7829, 8.1925, 10.1928

Deuteranomaly

12.6769, 8.6035, 5.6951

Tritanomaly

19.4231, 10.2643, 3.0553

Monochromacy



Original Color

20.0994, 10.2411, 6.3862

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.4766, 4.8245, 5.3876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0994, 10.2411, 6.3862 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(181, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(181, 0, 68)  
}
```

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(181, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 0, 68) }
```

Border

The CSS property to change the border of an element to XYZ 20.0994, 10.2411, 6.3862 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(181, 0, 68) }
```


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

```
.border{ border-color:rgb(181, 0, 68) }
```

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

Here you see how a box with a 4 pixel rgb(181, 0, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(181, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0994, 10.2411, 6.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 0, 68) }
```

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

```
.background{ background-color: rgb(181, 0,  
68) }
```

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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