

Converting Colors

XYZ(20.3133, 10.4687, 1.0920)

Have a look what the booklet for
XYZ(20.3133, 10.4687, 1.0920)
contains.

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Color

**XYZ(20.2771, 10.4501,
1.0919)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0005
RGB	186, 0, 5
RGB Percent	73%, 0%, 2%
CMY	0.2706, 0.9999, 0.9804
CMYK	0.00, 1.00, 0.97, 0.27
HSL	358°, 100%, 36%
HSV	358°, 100%, 73%
XYZ	20.2771, 10.4501, 1.0919
YIQ	56.1840, 109.2510, 40.9870

Conversions

Conversions Part 2

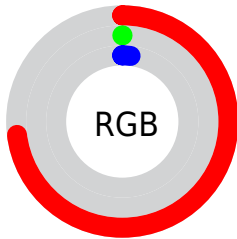
Format	Color
R_{YB}	186, 0, 5
Decimal	12189701
CIE Lab	38.64, 63.25, 51.08
CIE LCh	39, 81.299, 38.920
Yxy	10.4501, 0.6373, 0.3284
Android (android.graphics.Color)	4290379781 (0xFFBA0005)
YUV	56.1840, -25.2337, 113.8486
Hunter-Lab	32.3266, 55.3938, 20.6260

Details

The XYZ color **20.2771, 10.4501, 1.0919** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **25.9035, 38.4555, 49.7933**, and the grayscale version is **3.8069, 4.0052, 4.3617**.

A 20% lighter version of the original color is **43.3919, 26.6604, 6.3490**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.2767, 10.4499, 1.0909**, and if you desaturate by 10%, it is **20.6320, 10.9548, 1.8431**.

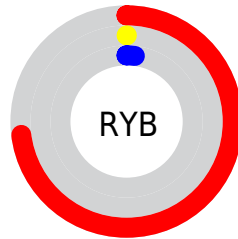
Distribution



Red (73%)

Green (0%)

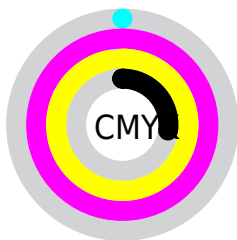
Blue (2%)



Red (73%)

Yellow (0%)

Blue (2%)

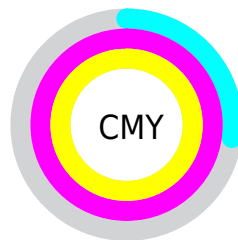


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2771, 10.4501, 1.0919 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 20.2771, 10.4501, 1.0919 by changing the saturation by 10% instead.


 20.2771, 10.4501,
1.0919


 20.2771, 10.4501,
1.0919


 246.2164,
193.8550, 106.1325


 12.7061, 5.6984,
0.0000


 43.3817, 26.6387,
6.3629

 7.3021, 2.6626,
0.0000


 59.6459, 38.8444,
11.6152


 3.6997, 0.9582,
0.0000

 79.5386, 54.3036,
19.1701

 1.5337, 0.0000,
0.0000

 103.4252, 73.4006,
29.4462


 0.3486, 0.0000,
0.0000


 131.6708, 96.5198,
42.8619


 0.0000, 0.0000,
0.0000


 164.6410,


124.0457, 59.8358


 202.7011,
156.3627, 80.7865


 20.2771, 10.4501,
1.0919


 20.2771, 10.4501,
1.0919

 20.2767, 10.4499,
1.0909

 20.6320, 10.9548,
1.8431

 21.3223, 11.9385,
3.2973

 22.4533, 13.5706,
5.6160

 24.0818, 15.9368,
8.9049

 26.2563, 19.1099,
13.2549

■ 29.0194, 23.1536,
18.7464

■ 32.4097, 28.1257,
25.4518

■ 36.4623, 34.0787,
33.4378

■ 41.2099, 41.0613,
42.7662

Harmonies

Analogous

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



23.9536, 10.4501, 7.3945



20.2771, 10.4501, 1.0919



14.1104, 10.4501, 0.0000

Triad

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



20.2771, 10.4501, 1.0919



3.0942, 10.4501, 3.7315



11.6144, 10.4501, 72.3438

Complementary

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



20.2771, 10.4501, 1.0919



25.9035, 38.4555, 49.7933

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.



6.6733, 10.4501, 66.9414



20.2771, 10.4501, 1.0919



2.8423, 10.4501, 16.5849

Square

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



20.2771, 10.4501, 1.0919



4.7705, 10.4501, 0.2353



3.8866, 10.4501, 41.7331



17.8974, 10.4501, 53.1310

Rectangle

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



20.2771, 10.4501, 1.0919



10.1276, 10.4501, 0.0000



3.8866, 10.4501, 41.7331



9.7400, 10.4501, 73.5554

Sweetspot

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



20.2773, 10.4508, 1.0920



58.3988, 50.4718, 45.4497



27.6392, 13.2253, 47.5500



12.2611, 10.2355, 8.8246



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



20.2773, 10.4508, 1.0920



36.7392, 18.9357, 1.9042



23.6433, 17.2263, 2.0799



9.0141, 9.0160, 9.4215



13.6461, 7.0322, 0.7573



0.4844, 0.2492, 0.0441

Inverse Universe

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



20.2773, 10.4508, 1.0920



36.7392, 18.9357, 1.9042



13.3457, 12.5102, 48.1653



9.0141, 9.0160, 9.4215



13.6461, 7.0322, 0.7573



0.4844, 0.2492, 0.0441

Previews

White Background



This preview shows how the XYZ color 20.2771, 10.4501, 1.0919 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 20.2771, 10.4501, 1.0919

Background



This preview shows how black text looks on a background with the XYZ color 20.2771, 10.4501, 1.0919.



This preview shows how white text looks on a background with the XYZ color 20.2771, 10.4501,

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

20.2771, 10.4501, 1.0919

Protanopia

10.0039, 11.0789, 2.5309

Deuteranopia

11.0436, 10.9963, 1.5404



Tritanopia

20.2080, 10.7152, 1.0032

Trichromacy



Original Color

20.2771, 10.4501, 1.0919

Protanomaly

11.5566, 8.3437, 1.5737

Deuteranomaly

12.8018, 8.7703, 1.0755

Tritanomaly

20.1382, 10.5580, 1.0339

Monochromacy



Original Color

20.2771, 10.4501, 1.0919

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.5583, 4.2789, 2.2305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2771, 10.4501, 1.0919 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(186, 0, 5)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 5)  
}
```

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(186, 0, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 5) }
```

Border

The CSS property to change the border of an element to XYZ 20.2771, 10.4501, 1.0919 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(186, 0, 5) }
```


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

```
.border{ border-color:rgb(186, 0, 5) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(186, 0, 5); box-shadow:4px  
4px 4px 4px rgb(186, 0, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2771, 10.4501, 1.0919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 5) }
```

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

```
.background{ background-color: rgb(186, 0,  
5) }
```

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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