

Converting Colors

XYZ(20.2929, 10.4606, 0.9847)

Have a look what the booklet for
XYZ(20.2929, 10.4606, 0.9847)
contains.

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Color

**XYZ(20.2552, 10.4413,
0.9765)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0001
RGB	186, 0, 1
RGB Percent	73%, 0%, 0%
CMY	0.2706, 0.9999, 0.9961
CMYK	0.00, 1.00, 0.99, 0.27
HSL	360°, 100%, 36%
HSV	360°, 100%, 73%
XYZ	20.2552, 10.4413, 0.9765
YIQ	55.7280, 110.5350, 39.7430

Conversions

Conversions Part 2

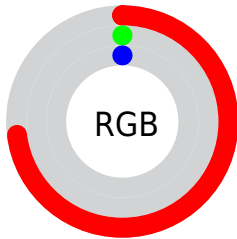
Format	Color
RYB	186, 0, 1
Decimal	12189697
CIELab	38.62, 63.21, 52.62
CIElCh	39, 82.249, 39.779
Yxy	10.4413, 0.6395, 0.3297
Android (android.graphics.Color)	4290379777 (0xFFBA0001)
YUV	55.7280, -26.9809, 114.2485
Hunter-Lab	32.3130, 55.3438, 20.8274

Details

The XYZ color **20.2552, 10.4413, 0.9765** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **26.3198, 38.6220, 51.9855**, and the grayscale version is **3.7499, 3.9452, 4.2963**.

A 20% lighter version of the original color is **43.3236, 26.6331, 5.9893**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.2549, 10.4411, 0.9755**, and if you desaturate by 10%, it is **20.5982, 10.9413, 1.6651**.

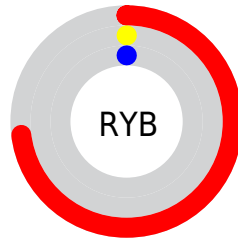
Distribution



Red (73%)

Green (0%)

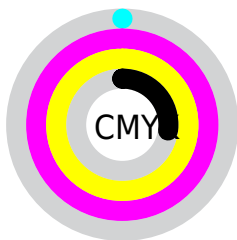
Blue (0%)



Red (73%)

Yellow (0%)

Blue (0%)

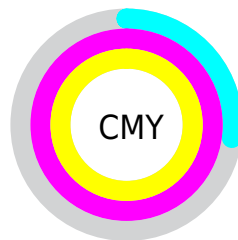


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2552, 10.4413, 0.9765 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 20.2552, 10.4413, 0.9765 by changing the saturation by 10% instead.


 20.2552, 10.4413,
0.9765


 20.2552, 10.4413,
0.9765


 246.1006,
193.7933, 103.6216


 12.6900, 5.6925,
0.0000


 43.3453, 26.6223,
5.9830


 7.2910, 2.6590,
0.0000


 59.6010, 38.8233,
11.0457


 3.6927, 0.9564,
0.0000

 79.4842, 54.2772,
18.3727

 1.5298, 0.0000,
0.0000

 103.3603, 73.3683,
28.3826


 0.3460, 0.0000,
0.0000


 131.5946, 96.4811,
41.4939


 0.0000, 0.0000,
0.0000


 164.5525,


123.9999, 58.1251


 202.5994,
156.3092, 78.6949


 20.2552, 10.4413,
0.9765


 20.2552, 10.4413,
0.9765

 20.2549, 10.4411,
0.9755

 20.5982, 10.9413,
1.6651

 21.2684, 11.9168,
3.0135

 22.3821, 13.5419,
5.2413

 23.9979, 15.9030,
8.4638

 26.1657, 19.0733,
12.7788

■ 28.9292, 23.1171,
18.2725

■ 32.3279, 28.0925,
25.0224

■ 36.3978, 34.0523,
33.0995

■ 41.1722, 41.0455,
42.5694

Harmonies

Analogous

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



24.1070, 10.4413, 7.0231



20.2552, 10.4413, 0.9765



13.9707, 10.4413, 0.0000

Triad

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



20.2552, 10.4413, 0.9765



3.0143, 10.4413, 3.8683



11.7975, 10.4413, 73.2336

Complementary

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



20.2552, 10.4413, 0.9765



26.3198, 38.6220, 51.9855

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.



6.7458, 10.4413, 68.4824



20.2552, 10.4413, 0.9765



2.7982, 10.4413, 17.2153

Square

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



20.2552, 10.4413, 0.9765



4.6462, 10.4413, 0.2364



3.8849, 10.4413, 43.0597



18.1769, 10.4413, 53.0623

Rectangle

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



20.2552, 10.4413, 0.9765



9.9644, 10.4413, 0.0000



3.8849, 10.4413, 43.0597



9.8840, 10.4413, 74.7412

Sweetspot

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



20.2554, 10.4420, 0.9766



58.2502, 50.4123, 44.6670



28.3679, 13.6009, 47.5841



12.2266, 10.2217, 8.6429



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.



20.2554, 10.4420, 0.9766



36.7107, 18.9243, 1.7540



23.8990, 17.7375, 2.1651



9.0065, 9.0130, 9.3815



13.6278, 7.0249, 0.6609



0.4811, 0.2479, 0.0267

Inverse Universe

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



20.2554, 10.4420, 0.9766



36.7107, 18.9243, 1.7540



13.0568, 11.9324, 48.0691



9.0065, 9.0130, 9.3815



13.6278, 7.0249, 0.6609



0.4811, 0.2479, 0.0267

Previews

White Background



This preview shows how the XYZ color 20.2552, 10.4413, 0.9765 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 20.2552, 10.4413, 0.9765

Background



This preview shows how black text looks on a background with the XYZ color 20.2552, 10.4413, 0.9765.



This preview shows how white text looks on a background with the XYZ color 20.2552, 10.4413,

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

20.2552, 10.4413, 0.9765

Protanopia

9.9933, 11.0746, 2.4751

Deuteranopia

11.0436, 10.9963, 1.5404



Tritanopia

20.2080, 10.7152, 1.0032

Trichromacy



Original Color

20.2552, 10.4413, 0.9765

Protanomaly

11.5409, 8.3375, 1.4912

Deuteranomaly

12.7908, 8.7659, 1.0178

Tritanomaly

20.1273, 10.5536, 0.9762

Monochromacy



Original Color

20.2552, 10.4413, 0.9765

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.5428, 4.2727, 2.1489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2552, 10.4413, 0.9765 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 1) }
```

Border

The CSS property to change the border of an element to XYZ 20.2552, 10.4413, 0.9765 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, 1) }
```


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

```
.border{ border-color:rgb(186, 0, 1) }
```

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, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(186, 0, 1); box-shadow:4px  
4px 4px 4px rgb(186, 0, 1) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2552, 10.4413, 0.9765 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, 1) }
```

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

```
.background{ background-color: rgb(186, 0,  
1) }
```

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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