

Converting Colors

XYZ(20.2686, 10.4503, 1.0366)

Have a look what the booklet for
XYZ(20.2686, 10.4503, 1.0366)
contains.

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Color

**XYZ(20.2661, 10.4457,
1.0342)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0003
RGB	186, 0, 3
RGB Percent	73%, 0%, 1%
CMY	0.2706, 0.9999, 0.9882
CMYK	0.00, 1.00, 0.98, 0.27
HSL	359°, 100%, 36%
HSV	359°, 100%, 73%
XYZ	20.2661, 10.4457, 1.0342
YIQ	55.9560, 109.8930, 40.3650

Conversions

Conversions Part 2

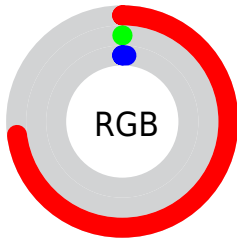
Format	Color
RYB	186, 0, 3
Decimal	12189699
CIELab	38.63, 63.23, 51.84
CIElCh	39, 81.762, 39.344
Yxy	10.4457, 0.6384, 0.3290
Android (android.graphics.Color)	4290379779 (0xFFBA0003)
YUV	55.9560, -26.1073, 114.0486
Hunter-Lab	32.3198, 55.3686, 20.7266

Details

The XYZ color **20.2661, 10.4457, 1.0342** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **26.1103, 38.5381, 50.8823**, and the grayscale version is **3.7785, 3.9752, 4.3290**.

A 20% lighter version of the original color is **43.3687, 26.6511, 6.2266**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.2657, 10.4455, 1.0331**, and if you desaturate by 10%, it is **20.6144, 10.9478, 1.7509**.

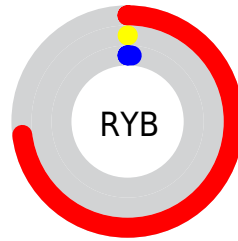
Distribution



Red (73%)

Green (0%)

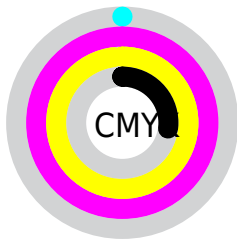
Blue (1%)



Red (73%)

Yellow (0%)

Blue (1%)

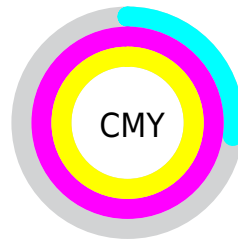


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2661, 10.4457, 1.0342 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 20.2661, 10.4457, 1.0342 by changing the saturation by 10% instead.


 20.2661, 10.4457,
1.0342


 20.2661, 10.4457,
1.0342


 246.1583,
193.8242, 104.8954


 12.6980, 5.6955,
0.0000


 43.3634, 26.6305,
6.1746


 7.2965, 2.6608,
0.0000


 59.6234, 38.8339,
11.3334

 3.6962, 0.9573,
0.0000

 79.5113, 54.2904,
18.7760

 1.5317, 0.0000,
0.0000

 103.3926, 73.3845,
28.9210


 0.3473, 0.0000,
0.0000


 131.6325, 96.5005,
42.1869


 0.0000, 0.0000,
0.0000


 164.5966,


124.0228, 58.9923


 202.6500,
156.3359, 79.7556


 20.2661, 10.4457,
1.0342


 20.2661, 10.4457,
1.0342


 20.2657, 10.4455,
1.0331

 20.6144, 10.9478,
1.7509

 21.2948, 11.9275,
3.1525

 22.4172, 13.5562,
5.4262

 24.0395, 15.9199,
8.6824

 26.2108, 19.0917,
13.0155

■ 28.9743, 23.1356,
18.5086

■ 32.3689, 28.1094,
25.2369

■ 36.4302, 34.0659,
33.2689

■ 41.1913, 41.0539,
42.6684

Harmonies

Analogous

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



24.0285, 10.4457, 7.2106



20.2661, 10.4457, 1.0342



14.0415, 10.4457, 0.0000

Triad

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



20.2661, 10.4457, 1.0342



3.0548, 10.4457, 3.7983



11.7039, 10.4457, 72.7784

Complementary

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



20.2661, 10.4457, 1.0342



26.1103, 38.5381, 50.8823

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.



6.7088, 10.4457, 67.6937



20.2661, 10.4457, 1.0342



2.8206, 10.4457, 16.8922

Square

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



20.2661, 10.4457, 1.0342



4.7092, 10.4457, 0.2359



3.8858, 10.4457, 42.3802



18.0340, 10.4457, 53.0964

Rectangle

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



20.2661, 10.4457, 1.0342



10.0472, 10.4457, 0.0000



3.8858, 10.4457, 42.3802



9.8104, 10.4457, 74.1346

Sweetspot

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



20.2663, 10.4464, 1.0343



58.3242, 50.4420, 45.0568



28.3678, 13.6009, 47.5840



12.2438, 10.2285, 8.7334



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.



20.2663, 10.4464, 1.0343



36.7250, 18.9300, 1.8290



23.8990, 17.7377, 2.1652



9.0103, 9.0145, 9.4014



13.6369, 7.0285, 0.7090



0.4827, 0.2486, 0.0354

Inverse Universe

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



20.2663, 10.4464, 1.0343



36.7250, 18.9300, 1.8290



13.0569, 11.9326, 48.0689



9.0103, 9.0145, 9.4014



13.6369, 7.0285, 0.7090



0.4827, 0.2486, 0.0354

Previews

White Background



This preview shows how the XYZ color 20.2661, 10.4457, 1.0342 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 20.2661, 10.4457, 1.0342

Background



This preview shows how black text looks on a background with the XYZ color 20.2661, 10.4457, 1.0342.



This preview shows how white text looks on a background with the XYZ color 20.2661, 10.4457,

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

20.2661, 10.4457, 1.0342

Protanopia

9.9933, 11.0746, 2.4751

Deuteranopia

11.0436, 10.9963, 1.5404



Tritanopia

20.2080, 10.7152, 1.0032

Trichromacy



Original Color

20.2661, 10.4457, 1.0342

Protanomaly

11.5409, 8.3375, 1.4912

Deuteranomaly

12.7963, 8.7681, 1.0467

Tritanomaly

20.1327, 10.5558, 1.0051

Monochromacy



Original Color

20.2661, 10.4457, 1.0342

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 20.2661, 10.4457, 1.0342 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 3) }
```

Border

The CSS property to change the border of an element to XYZ 20.2661, 10.4457, 1.0342 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, 3) }
```


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

```
.border{ border-color:rgb(186, 0, 3) }
```

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, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(186, 0, 3); box-shadow:4px  
4px 4px 4px rgb(186, 0, 3) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2661, 10.4457, 1.0342 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, 3) }
```

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

```
.background{ background-color: rgb(186, 0,  
3) }
```

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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