

Converting Colors

XYZ(20.2865, 10.4580, 0.9511)

Have a look what the booklet for
XYZ(20.2865, 10.4580, 0.9511)
contains.

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Color

**XYZ(20.2497, 10.4391,
0.9477)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0000
RGB	186, 0, 0
RGB Percent	73%, 0%, 0%
CMY	0.2706, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.27
HSL	0°, 100%, 36%
HSV	0°, 100%, 73%
XYZ	20.2497, 10.4391, 0.9477
YIQ	55.6140, 110.8560, 39.4320

Conversions

Conversions Part 2

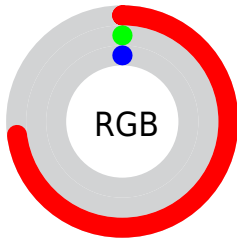
Format	Color
R_{YB}	186, 0, 0
Decimal	12189696
CIE Lab	38.62, 63.20, 53.03
CIE LCh	39, 82.501, 39.999
Yxy	10.4391, 0.6401, 0.3300
Android (android.graphics.Color)	4290379776 (0xFFBA0000)
YUV	55.6140, -27.4177, 114.3485
Hunter-Lab	32.3096, 55.3312, 20.8776

Details

The XYZ color **20.2497, 10.4391, 0.9477** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **26.4146, 38.6487, 52.5217**, and the grayscale version is **3.7358, 3.9303, 4.2801**.

A 20% lighter version of the original color is **43.3018, 26.6244, 5.8744**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.2499, 10.4397, 0.9478**, and if you desaturate by 10%, it is **20.5904, 10.9381, 1.6244**.

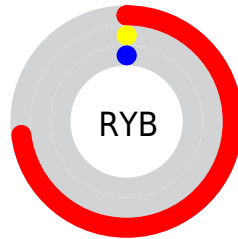
Distribution



Red (73%)

Green (0%)

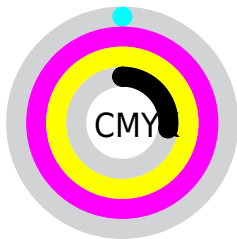
Blue (0%)



Red (73%)

Yellow (0%)

Blue (0%)

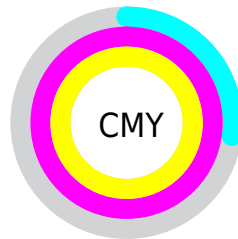


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (100%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2497, 10.4391, 0.9477 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 20.2497, 10.4391, 0.9477 by changing the saturation by 10% instead.


 20.2497, 10.4391,
0.9477


 20.2497, 10.4391,
0.9477


 246.0716,
193.7779, 102.9731


 12.6860, 5.6911,
0.0000


 43.3362, 26.6182,
5.8865


 7.2882, 2.6581,
0.0000


 59.5897, 38.8180,
10.9002

 3.6909, 0.9560,
0.0000

 79.4705, 54.2706,
18.1684

 1.5288, 0.0000,
0.0000

 103.3440, 73.3602,
28.1094


 0.3453, 0.0000,
0.0000


 131.5754, 96.4714,
41.1418


 0.0000, 0.0000,
0.0000


 164.5303,


123.9885, 57.6842


 202.5739,
156.2959, 78.1551


 20.2497, 10.4391,
0.9477


 20.2497, 10.4391,
0.9477


 20.2499, 10.4397,
0.9478

 20.5904, 10.9381,
1.6244

 21.2553, 11.9112,
2.9457

 22.3642, 13.5340,
5.1496

 23.9761, 15.8929,
8.3536

 26.1413, 19.0612,
12.6576

■ 28.9037, 23.1035,
18.1491

■ 32.3031, 28.0776,
24.9069

■ 36.3755, 34.0367,
33.0031

■ 41.1546, 41.0297,
42.5043

Harmonies

Analogous

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



24.1474, 10.4391, 6.9284



20.2497, 10.4391, 0.9477



13.9345, 10.4391, 0.0000

Triad

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



20.2497, 10.4391, 0.9477



2.9936, 10.4391, 3.9046



11.8457, 10.4391, 73.4678

Complementary

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



20.2497, 10.4391, 0.9477



26.4146, 38.6487, 52.5217

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.



6.7649, 10.4391, 68.8891



20.2497, 10.4391, 0.9477



2.7869, 10.4391, 17.3825

Square

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



20.2497, 10.4391, 0.9477



4.6141, 10.4391, 0.2367



3.8845, 10.4391, 43.4110



18.2504, 10.4391, 53.0450

Rectangle

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



20.2497, 10.4391, 0.9477



9.9222, 10.4391, 0.0000



3.8845, 10.4391, 43.4110



9.9219, 10.4391, 75.0536

Sweetspot

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



20.2499, 10.4398, 0.9478



58.2170, 50.4029, 44.4801



29.1124, 13.9842, 47.6188



12.2189, 10.2195, 8.5996



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.



20.2499, 10.4398, 0.9478



36.7043, 18.9225, 1.7179



24.1639, 18.2678, 2.2525



9.0048, 9.0125, 9.3719



13.6237, 7.0237, 0.6377



0.4803, 0.2477, 0.0225

Inverse Universe

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



26.4146, 38.6487, 52.5217



47.8783, 70.0532, 95.1996



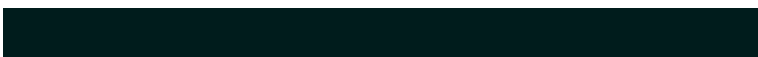
12.7773, 11.3739, 47.9759



9.2666, 10.2104, 11.5618



17.7712, 26.0020, 35.3353



0.6265, 0.9167, 1.2457

Previews

White Background



This preview shows how the XYZ color 20.2497, 10.4391, 0.9477 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 20.2497, 10.4391, 0.9477

Background



This preview shows how black text looks on a background with the XYZ color 20.2497, 10.4391, 0.9477.



This preview shows how white text looks on a background with the XYZ color 20.2497, 10.4391,

0.9477.

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

20.2497, 10.4391, 0.9477

Protanopia

9.9933, 11.0746, 2.4751

Deuteranopia

11.0436, 10.9963, 1.5404



Tritanopia

20.2080, 10.7152, 1.0032

Trichromacy



Original Color

20.2497, 10.4391, 0.9477

Protanomaly

11.5336, 8.3345, 1.4528

Deuteranomaly

12.7908, 8.7659, 1.0178

Tritanomaly

20.1273, 10.5536, 0.9762

Monochromacy



Original Color

20.2497, 10.4391, 0.9477

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 20.2497, 10.4391, 0.9477 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, 0)` looks like.

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

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, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 20.2497, 10.4391, 0.9477 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, 0) }
```


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

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

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, 0) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 20.2497, 10.4391, 0.9477 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, 0) }
```

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

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

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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