

Converting Colors

XYZ(20.4786, 10.7221, 1.5625)

Have a look what the booklet for
XYZ(20.4786, 10.7221, 1.5625)
contains.

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Color

**XYZ(20.4786, 10.7221,
1.5625)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0B12
RGB	186, 11, 18
RGB Percent	73%, 4%, 7%
CMY	0.2706, 0.9567, 0.9294
CMYK	0.00, 0.94, 0.90, 0.27
HSL	358°, 89%, 39%
HSV	358°, 94%, 73%
XYZ	20.4786, 10.7221, 1.5625
YIQ	64.1230, 102.0530, 39.2770

Conversions

Conversions Part 2

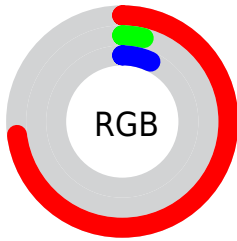
Format	Color
RYB	186, 11, 18
Decimal	12192530
CIELab	39.11, 62.21, 46.41
CIElCh	39, 77.618, 36.724
Yxy	10.7221, 0.6250, 0.3273
Android (android.graphics.Color)	4290382610 (0xFFBA0B12)
YUV	64.1230, -22.7386, 106.8861
Hunter-Lab	32.7446, 54.3315, 20.0920

Details

The XYZ color **20.4786, 10.7221, 1.5625** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **25.8370, 38.4449, 48.7225**, and the grayscale version is **4.9165, 5.1725, 5.6329**.

A 20% lighter version of the original color is **43.8794, 27.2200, 7.7918**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.2902, 10.4553, 1.1614**, and if you desaturate by 10%, it is **21.0209, 11.4755, 2.7649**.

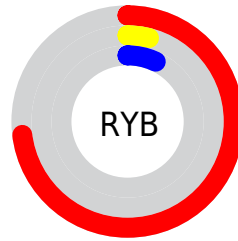
Distribution



Red (73%)

Green (4%)

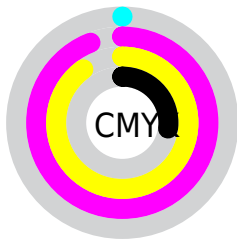
Blue (7%)



Red (73%)

Yellow (4%)

Blue (7%)

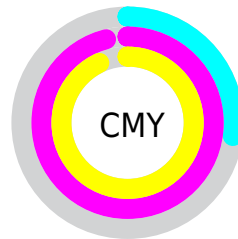


Cyan (0%)

Magenta (94%)

Yellow (90%)

Black (27%)



Cyan (27%)


Magenta (96%)


Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4786, 10.7221, 1.5625 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 20.4786, 10.7221, 1.5625 by changing the saturation by 10% instead.


 20.4786, 10.7221,
1.5625


 20.4786, 10.7221,
1.5625


 247.2789,
195.7509, 115.1638


 12.8537, 5.8803,
0.2638


 43.7160, 27.1451,
7.8060


 7.4042, 2.7724,
0.0000


 60.0592, 39.4951,
13.7438


 3.7647, 1.0141,
0.0000

 80.0392, 55.1167,
22.1170

 1.5699, 0.0000,
0.0000

 104.0214, 74.3941,
33.3443

 0.3727, 0.0000,
0.0000


 132.3711, 97.7119,
47.8440


 0.0000, 0.0000,
0.0000


 165.4537,


125.4543, 66.0348


 203.6345,
158.0059, 88.3353


 20.4786, 10.7221,
1.5625


 20.4786, 10.7221,
1.5625


 20.2902, 10.4553,
1.1614

 21.0209, 11.4755,
2.7649

 21.9753, 12.8356,
4.7748

 23.4027, 14.8957,
7.7006

 25.3537, 17.7327,
11.6341

 27.8725, 21.4136,
16.6559

■ 30.9984, 25.9981,
22.8383

■ 34.7675, 31.5405,
30.2476

■ 39.2129, 38.0907,
38.9450

■ 44.3654, 45.6953,
48.9876

Harmonies

Analogous

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



23.6804, 10.7221, 8.6346



20.4786, 10.7221, 1.5625



14.6703, 10.7221, 0.0000

Triad

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



20.4786, 10.7221, 1.5625



3.4930, 10.7221, 3.6256



11.4062, 10.7221, 69.3748

Complementary

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



20.4786, 10.7221, 1.5625



25.8370, 38.4449, 48.7225

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.



6.7312, 10.7221, 62.6136



20.4786, 10.7221, 1.5625



3.1410, 10.7221, 15.3554

Square

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



20.4786, 10.7221, 1.5625



5.3085, 10.7221, 0.3647



4.0978, 10.7221, 38.5010



17.4081, 10.7221, 52.8994

Rectangle

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



20.4786, 10.7221, 1.5625



10.7726, 10.7221, 0.0000



4.0978, 10.7221, 38.5010



9.6308, 10.7221, 69.8683

Sweetspot

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



20.4788, 10.7228, 1.5626



59.8691, 52.5354, 48.6436



27.1717, 13.1618, 47.5626



12.5491, 10.6356, 9.4625



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.



20.4788, 10.7228, 1.5626



36.7567, 18.9427, 1.9961



23.9467, 17.7363, 2.4789



9.0187, 9.0179, 9.4460



13.6573, 7.0367, 0.8163



0.4864, 0.2500, 0.0547

Inverse Universe

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



20.4788, 10.7228, 1.5626



36.7567, 18.9427, 1.9961



14.2865, 14.1870, 48.4396



9.0187, 9.0179, 9.4460



13.6573, 7.0367, 0.8163



0.4864, 0.2500, 0.0547

Previews

White Background



This preview shows how the XYZ color 20.4786, 10.7221, 1.5625 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 20.4786, 10.7221, 1.5625

Background



This preview shows how black text looks on a background with the XYZ color 20.4786, 10.7221, 1.5625.



This preview shows how white text looks on a background with the XYZ color 20.4786, 10.7221,

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

20.4786, 10.7221, 1.5625

Protanopia

10.1171, 11.1242, 3.1273

Deuteranopia

11.1801, 11.0667, 1.5468

Trichromacy



Original Color

20.4786, 10.7221, 1.5625

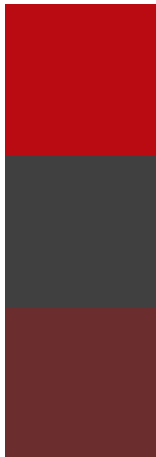
Protanomaly

11.8745, 8.8190, 2.1750

Deuteranomaly

13.0348, 9.1925, 1.2883

Monochromacy



Original Color

20.4786, 10.7221, 1.5625

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.6358, 5.2702, 3.3041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4786, 10.7221, 1.5625 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, 11, 18)` looks like.

```
.text, #text, p{  
    color:rgb(186, 11, 18)  
}
```

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, 11, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 11, 18) }
```

Border

The CSS property to change the border of an element to XYZ 20.4786, 10.7221, 1.5625 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, 11, 18) }
```

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

```
.border{ border-color:rgb(186, 11, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 11, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 11, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 11, 18);  
box-shadow:4px 4px 4px 4px rgb(186, 11,  
18) }
```


Background

The CSS property to change the background color of an element to XYZ 20.4786, 10.7221, 1.5625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 11, 18) }
```

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

```
.background{ background-color: rgb(186, 11,  
18) }
```

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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