

Converting Colors

XYZ(20.2806, 10.9018, 15.3276)

Have a look what the booklet for
XYZ(20.2806, 10.9018, 15.3276)
contains.

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Color

**XYZ(20.2365, 10.8864,
15.2221)**

Conversions

Conversions Part 1

Format	Color
Hex	AC206C
RGB	172, 32, 108
RGB Percent	67%, 13%, 42%
CMY	0.3255, 0.8745, 0.5765
CMYK	0.00, 0.81, 0.37, 0.33
HSL	327°, 69%, 40%
HSV	327°, 81%, 67%
XYZ	20.2365, 10.8864, 15.2221
YIQ	82.5240, 59.0440, 53.3160

Conversions

Conversions Part 2

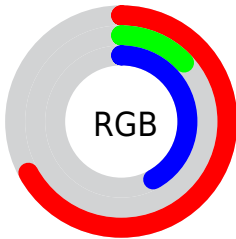
Format	Color
R_{YB}	172, 32, 108
Decimal	11280492
CIE _{Lab}	39.39, 59.82, -8.30
CIE _{LCh}	39, 60.393, 352.097
Yxy	10.8864, 0.4366, 0.2349
Android (android.graphics.Color)	4289470572 (0xFFAC206C)
YUV	82.5240, 12.5597, 78.4705
Hunter-Lab	32.9945, 51.7387, -4.2574

Details

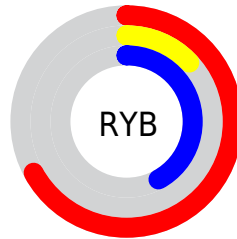
The XYZ color **20.2365, 10.8864, 15.2221** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **17.4603, 30.6569, 16.0661**, and the grayscale version is **8.0937, 8.5152, 9.2731**.

A 20% lighter version of the original color is **43.1274, 27.3208, 35.8013**, and **7.7817, 3.9143, 4.7603** is the 20% darker color. If you saturate the color by 10%, you get **19.4883, 10.0297, 13.0002**, and if you desaturate by 10%, it is **21.2649, 12.2428, 17.7238**.

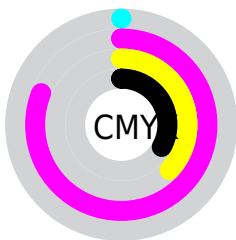
Distribution



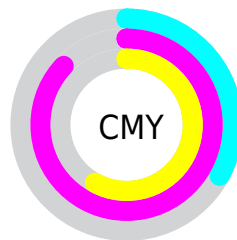
- Red (67%)
- Green (13%)
- Blue (42%)



- Red (67%)
- Yellow (13%)
- Blue (42%)



- Cyan (0%)
- Magenta (81%)
- Yellow (37%)
- Black (33%)



- Cyan (33%)
- Magenta (87%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2365, 10.8864, 15.2221 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 20.2365, 10.8864, 15.2221 by changing the saturation by 10% instead.

■ 20.2365, 10.8864,
15.2221

■ 20.2365, 10.8864,
15.2221

246.0018,
196.8865, 236.3935

■ 12.6763, 5.9905,
8.8271

■ 43.3143, 27.4499,
35.9901

■ 7.2815, 2.8393,
4.5333

■ 59.5626, 39.8863,
51.2002

■ 3.6867, 1.0484,
1.9222

■ 79.4376, 55.6050,
70.1857

■ 1.5264, 0.0000,
0.5068

■ 103.3048, 74.9904,
93.3652

■ 0.3437, 0.0000,
0.0000

■ 131.5295, 98.4268,
121.1572

■ 0.0000, 0.0000,
0.0000

■ 164.4769,

126.2987, 153.9802

202.5126,
158.9905, 192.2528

■ 20.2365, 10.8864,
15.2221

■ 20.2365, 10.8864,
15.2221

■ 19.4883, 10.0297,
13.0002

■ 21.2649, 12.2428,
17.7238

■ 19.0052, 9.5674,
11.2860

■ 22.6064, 14.1637,
20.5209

■ 24.2904, 16.7059,
23.6276

■ 26.3421, 19.9189,
27.0568

■ 28.7844, 23.8468,
30.8204

■ 31.6383, 28.5304,
34.9295

■ 34.9232, 34.0069,
39.3946

■ 38.6571, 40.3114,
44.2255

■ 42.8571, 47.4768,
49.4318

Harmonies

Analogous

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



17.8621, 10.8864, 31.7309



20.2365, 10.8864, 15.2221



19.4612, 10.8864, 5.2467

Triad

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



20.2365, 10.8864, 15.2221



7.6655, 10.8864, 0.8358



6.2341, 10.8864, 39.9255

Complementary

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



20.2365, 10.8864, 15.2221



17.4603, 30.6569, 16.0661

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.



4.6437, 10.8864, 22.4853



20.2365, 10.8864, 15.2221



5.3057, 10.8864, 2.7104

Square

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



20.2365, 10.8864, 15.2221



11.4648, 10.8864, 0.5657



4.3555, 10.8864, 9.0225



9.3047, 10.8864, 50.9947

Rectangle

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



20.2365, 10.8864, 15.2221



17.3358, 10.8864, 2.2657



4.3555, 10.8864, 9.0225



5.5459, 10.8864, 34.2244

Sweetspot

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



20.2368, 10.8870, 15.2223



55.7409, 49.0249, 61.0327



12.6832, 6.4454, 39.6052



11.7244, 10.0150, 12.7039



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.2368, 10.8870, 15.2223



34.5426, 17.4604, 20.5724



17.8964, 9.9508, 2.8979



8.1802, 8.0853, 9.2598



14.1710, 7.1310, 8.5460



0.4214, 0.2092, 0.3809

Inverse Universe

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



20.2368, 10.8870, 15.2223



34.5426, 17.4604, 20.5724



22.1401, 32.5288, 40.7092



8.1802, 8.0853, 9.2598



14.1710, 7.1310, 8.5460



0.4214, 0.2092, 0.3809

Previews

White Background



This preview shows how the XYZ color 20.2365, 10.8864, 15.2221 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



This preview shows how the XYZ color 20.2365, 10.8864, 15.2221 looks on a 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 20.2365, 10.8864, 15.2221

Background



This preview shows how black text looks on a background with the XYZ color 20.2365, 10.8864, 15.2221.



This preview shows how white text looks on a background with the XYZ color 20.2365, 10.8864,

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

20.2365, 10.8864, 15.2221

Protanopia

11.9965, 11.2483, 29.5558

Deuteranopia

11.3456, 11.1311, 13.8625



Tritanopia

17.9749, 10.9495, 4.5342

Trichromacy



Original Color

20.2365, 10.8864, 15.2221

Protanomaly

12.8542, 9.3888, 23.3250

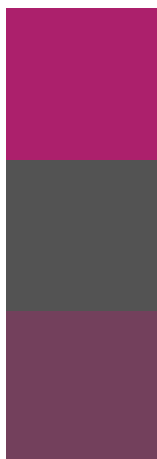
Deuteranomaly

13.2930, 9.8154, 14.2906

Tritanomaly

18.4655, 10.7174, 7.3988

Monochromacy



Original Color

20.2365, 10.8864, 15.2221

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.8354, 8.0843, 11.1146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2365, 10.8864, 15.2221 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(172, 32, 108)` looks like.

```
.text, #text, p{  
    color:rgb(172, 32, 108)  
}
```

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(172, 32, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 32, 108) }
```

Border

The CSS property to change the border of an element to XYZ 20.2365, 10.8864, 15.2221 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(172, 32, 108) }
```


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

```
.border{ border-color:rgb(172, 32, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 32, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 32, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 32, 108); box-shadow:4px 4px 4px 4px rgb(172, 32, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2365, 10.8864, 15.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 32, 108) }
```

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

```
.background{ background-color: rgb(172, 32,  
108) }
```

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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