

Converting Colors

XYZ(20.2359, 10.4384, 18.7176)

Have a look what the booklet for
XYZ(20.2359, 10.4384, 18.7176)
contains.

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Color

**XYZ(20.2359, 10.4384,
18.7176)**

Conversions

Conversions Part 1

Format	Color
Hex	AA1578
RGB	170, 21, 120
RGB Percent	67%, 8%, 47%
CMY	0.3333, 0.9176, 0.5294
CMYK	0.00, 0.88, 0.29, 0.33
HSL	320°, 78%, 37%
HSV	320°, 88%, 67%
XYZ	20.2359, 10.4384, 18.7176
YIQ	76.8370, 57.0250, 62.3770

Conversions

Conversions Part 2

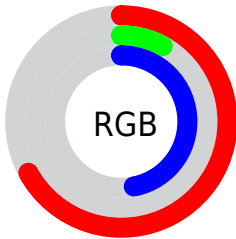
Format	Color
RYB	170, 21, 120
Decimal	11146616
CIELab	38.62, 63.14, -17.04
CIELCh	39, 65.395, 344.899
Yxy	10.4384, 0.4097, 0.2113
Android (android.graphics.Color)	4289336696 (0xFFAA1578)
YUV	76.8370, 21.2794, 81.7040
Hunter-Lab	32.3085, 55.2606, -11.7331

Details

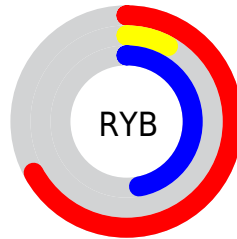
The XYZ color **20.2359, 10.4384, 18.7176** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.8221, 29.3642, 10.7974**, and the grayscale version is **6.9794, 7.3429, 7.9964**.

A 20% lighter version of the original color is **43.2492, 26.6160, 41.8876**, and **7.9474, 3.9656, 6.3078** is the 20% darker color. If you saturate the color by 10%, you get **19.6753, 9.8548, 16.8730**, and if you desaturate by 10%, it is **21.0181, 11.4319, 20.7380**.

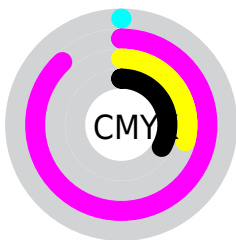
Distribution



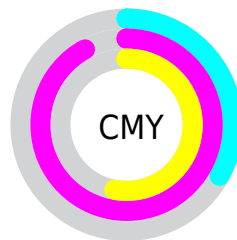
- Red (67%)
- Green (8%)
- Blue (47%)



- Red (67%)
- Yellow (8%)
- Blue (47%)



- Cyan (0%)
- Magenta (88%)
- Yellow (29%)
- Black (33%)



- Cyan (33%)
- Magenta (92%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2359, 10.4384, 18.7176 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 20.2359, 10.4384, 18.7176 by changing the saturation by 10% instead.

■ 20.2359, 10.4384,
18.7176

■ 20.2359, 10.4384,
18.7176

245.9986,
193.7730, 257.2559

■ 12.6759, 5.6906,
11.2917

■ 43.3133, 26.6169,
42.0867

■ 7.2812, 2.6579,
6.1467

■ 59.5613, 38.8163,
58.8669

■ 3.6865, 0.9558,
2.8643

■ 79.4361, 54.2685,
79.6023

■ 1.5263, 0.0000,
1.0258

■ 103.3030, 73.3577,
104.7114

■ 0.3436, 0.0000,
0.0000

■ 131.5274, 96.4683,
134.6128

■ 0.0000, 0.0000,
0.0000

■ 164.4745,

123.9848, 169.7250

202.5098,
156.2916, 210.4665

■ 20.2359, 10.4384,
18.7176

■ 20.2359, 10.4384,
18.7176

■ 19.6753, 9.8548,
16.8730

■ 21.0181, 11.4319,
20.7380

■ 19.5554, 9.7372,
16.4564

■ 22.0691, 12.9296,
22.9515

■ 23.4195, 14.9920,
25.3699

■ 25.0955, 17.6708,
28.0037

■ 27.1201, 21.0117,
30.8622

■ 29.5143, 25.0561,
33.9538

■ 32.2973, 29.8419,
37.2865

■ 35.4870, 35.4045,
40.8678

■ 39.1001, 41.7768,
44.7047

Harmonies

Analogous

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



16.9764, 10.4384, 37.7418



20.2359, 10.4384, 18.7176



20.2480, 10.4384, 6.2998

Triad

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



20.2359, 10.4384, 18.7176



7.9438, 10.4384, 0.2367



5.1416, 10.4384, 37.6110

Complementary

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



20.2359, 10.4384, 18.7176



15.8221, 29.3642, 10.7974

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.



3.8844, 10.4384, 18.6057



20.2359, 10.4384, 18.7176



5.1549, 10.4384, 1.4908

Square

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



20.2359, 10.4384, 18.7176



12.2349, 10.4384, 0.2409



3.8884, 10.4384, 6.2457



7.9196, 10.4384, 52.9796

Rectangle

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



20.2359, 10.4384, 18.7176



18.3645, 10.4384, 2.4880



3.8884, 10.4384, 6.2457



4.5680, 10.4384, 31.0085

Sweetspot

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



20.2362, 10.4390, 18.7178



54.1031, 46.4050, 62.2888



10.0989, 4.7664, 38.4181



11.7166, 9.7547, 13.4561



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.



20.2362, 10.4390, 18.7178



35.3760, 17.6250, 29.3050



17.3361, 9.2789, 3.4460



7.7333, 7.6232, 8.9127



14.4118, 7.1734, 12.2460



0.3730, 0.1835, 0.4155

Inverse Universe

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



20.2362, 10.4390, 18.7178



35.3760, 17.6250, 29.3050



19.8082, 30.9587, 31.7881



7.7333, 7.6232, 8.9127



14.4118, 7.1734, 12.2460



0.3730, 0.1835, 0.4155

Previews

White Background



This preview shows how the XYZ color 20.2359, 10.4384, 18.7176 looks on a white background.

Color Contrast Check

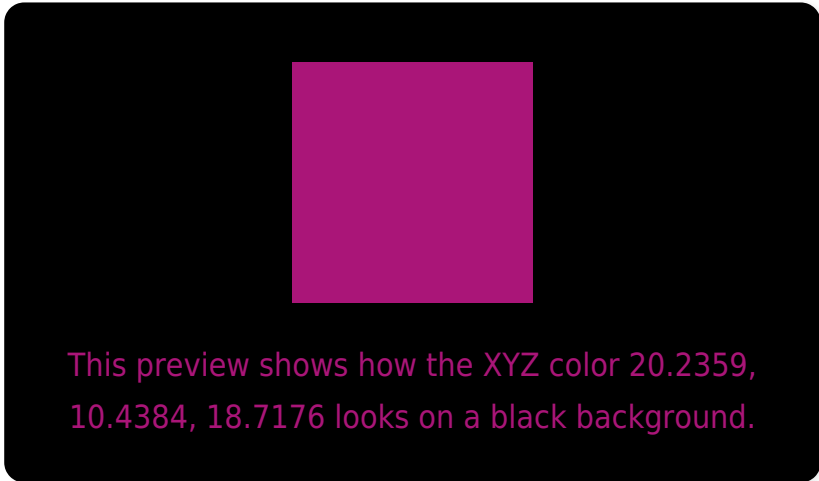
Large Text (above 18pt) WCAG AA ✓ Pass

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

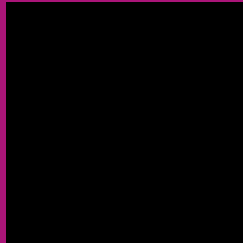
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2359, 10.4384, 18.7176

Background



This preview shows how black text looks on a background with the XYZ color 20.2359, 10.4384, 18.7176.



This preview shows how white text looks on a background with the XYZ color 20.2359, 10.4384,

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

20.2359, 10.4384, 18.7176

Protanopia

12.2996, 10.9517, 38.5114

Deuteranopia

11.0793, 10.9273, 16.8545



Tritanopia

17.3003, 10.5376, 4.4903

Trichromacy



Original Color

20.2359, 10.4384, 18.7176

Protanomaly

12.4060, 8.5563, 30.2758

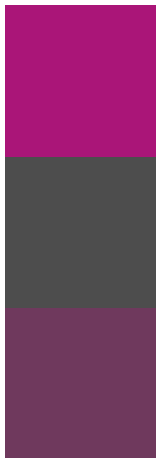
Deuteranomaly

12.7885, 9.1273, 17.3074

Tritanomaly

18.0014, 10.2023, 8.0416

Monochromacy



Original Color

20.2359, 10.4384, 18.7176

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

9.9945, 7.0961, 11.1988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2359, 10.4384, 18.7176 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(170, 21, 120)` looks like.

```
.text, #text, p{  
    color:rgb(170, 21, 120)  
}
```

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(170, 21, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 21, 120) }
```

Border

The CSS property to change the border of an element to XYZ 20.2359, 10.4384, 18.7176 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(170, 21, 120) }
```


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

```
.border{ border-color:rgb(170, 21, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 21, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 21, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 21, 120);  
box-shadow:4px 4px 4px 4px rgb(170, 21,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2359, 10.4384, 18.7176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 21, 120) }
```

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

```
.background{ background-color: rgb(170, 21,  
120) }
```

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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