

Converting Colors

XYZ(20.4506, 10.1813, 17.2849)

Have a look what the booklet for
XYZ(20.4506, 10.1813, 17.2849)
contains.

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Color

**XYZ(20.3860, 10.1452,
17.4068)**

Conversions

Conversions Part 1

Format	Color
Hex	AD0074
RGB	173, 0, 116
RGB Percent	68%, 0%, 45%
CMY	0.3216, 0.9999, 0.5451
CMYK	0.00, 1.00, 0.33, 0.32
HSL	320°, 100%, 34%
HSV	320°, 100%, 68%
XYZ	20.3860, 10.1452, 17.4068
YIQ	64.9510, 65.8720, 72.7520

Conversions

Conversions Part 2

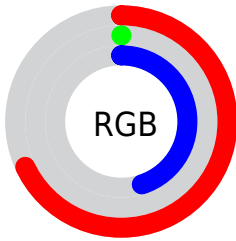
Format	Color
RYB	173, 0, 116
Decimal	11337844
CIELab	38.10, 66.10, -15.27
CIELCh	38, 67.839, 346.994
Yxy	10.1452, 0.4253, 0.2116
Android (android.graphics.Color)	4289527924 (0xFFAD0074)
YUV	64.9510, 25.1672, 94.7590
Hunter-Lab	31.8515, 58.5055, -10.1058

Details

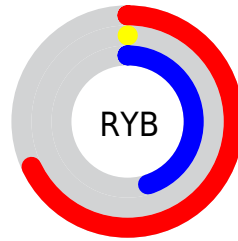
The XYZ color **20.3860, 10.1452, 17.4068** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.6831, 30.1830, 8.8735**, and the grayscale version is **4.9749, 5.2340, 5.6998**.

A 20% lighter version of the original color is **43.6894, 26.1854, 39.7974**, and **8.1136, 4.0622, 5.8253** is the 20% darker color. If you saturate the color by 10%, you get **20.3856, 10.1450, 17.4044**, and if you desaturate by 10%, it is **20.9335, 10.6931, 19.2761**.

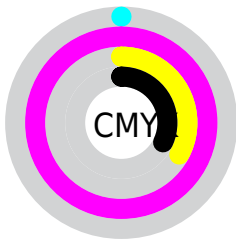
Distribution



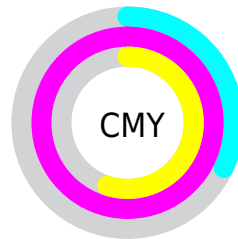
- Red (68%)
- Green (0%)
- Blue (45%)



- Red (68%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (32%)





- Cyan (32%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3860, 10.1452, 17.4068 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 20.3860, 10.1452, 17.4068 by changing the saturation by 10% instead.


 20.3860, 10.1452,
17.4068


 20.3860, 10.1452,
17.4068


246.7911,
191.7053, 249.6287


 12.7858, 5.4953,
10.3599


 43.5624, 26.0683,
39.8241

 7.3572, 2.5407,
5.5295


 59.8694, 38.1102,
56.0316

 3.7348, 0.8970,
2.4971

 79.8093, 53.3850,
76.1297

 1.5532, 0.0000,
0.8386

 103.7476, 72.2771,
100.5370

 0.3616, 0.0000,
0.0000

 132.0496, 95.1707,
129.6720

 0.0000, 0.0000,
0.0000

 165.0806,

122.4503, 163.9533

203.2059,
154.5004, 203.7993

■ 20.3860, 10.1452,
17.4068

■ 20.3860, 10.1452,
17.4068

■ 20.3856, 10.1450,
17.4044

■ 20.9335, 10.6931,
19.2761

■ 21.6807, 11.6072,
21.3140

■ 22.6990, 13.0298,
23.5462

■ 24.0215, 15.0266,
25.9853

■ 25.6762, 17.6531,
28.6422

■ 27.6879, 20.9583,
31.5269

■ 30.0790, 24.9865,
34.6483

■ 32.8699, 29.7781,
38.0148

■ 36.0795, 35.3704,
41.6341

Harmonies

Analogous

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



17.1988, 10.1452, 36.9884



20.3860, 10.1452, 17.4068



20.1374, 10.1452, 5.3936

Triad

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



20.3860, 10.1452, 17.4068



7.3863, 10.1452, 0.0570



4.9663, 10.1452, 39.7064

Complementary

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



20.3860, 10.1452, 17.4068



15.6831, 30.1830, 8.8735

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.



3.6261, 10.1452, 19.6938



20.3860, 10.1452, 17.4068



4.7050, 10.1452, 1.4137

Square

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



20.3860, 10.1452, 17.4068



11.6634, 10.1452, 0.0000



3.5477, 10.1452, 6.4616



7.8700, 10.1452, 55.1003

Rectangle

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



20.3860, 10.1452, 17.4068



18.0468, 10.1452, 1.9648



3.5477, 10.1452, 6.4616



4.3620, 10.1452, 32.8212

Sweetspot

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



20.3863, 10.1458, 17.4070



53.6214, 44.3268, 61.7413



9.1078, 3.8243, 39.7934



11.2594, 8.9666, 12.9141



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.



20.3863, 10.1458, 17.4070



36.4063, 18.1280, 30.6266



17.4911, 8.9877, 2.1607



8.2231, 8.1025, 9.4858



15.0034, 7.4639, 12.9292



0.4412, 0.2172, 0.4852

Inverse Universe

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



20.3863, 10.1458, 17.4070



36.4063, 18.1280, 30.6266



19.7731, 31.8191, 30.4114



8.2231, 8.1025, 9.4858



15.0034, 7.4639, 12.9292



0.4412, 0.2172, 0.4852

Previews

White Background



This preview shows how the XYZ color 20.3860, 10.1452, 17.4068 looks on a white background.

Color Contrast Check

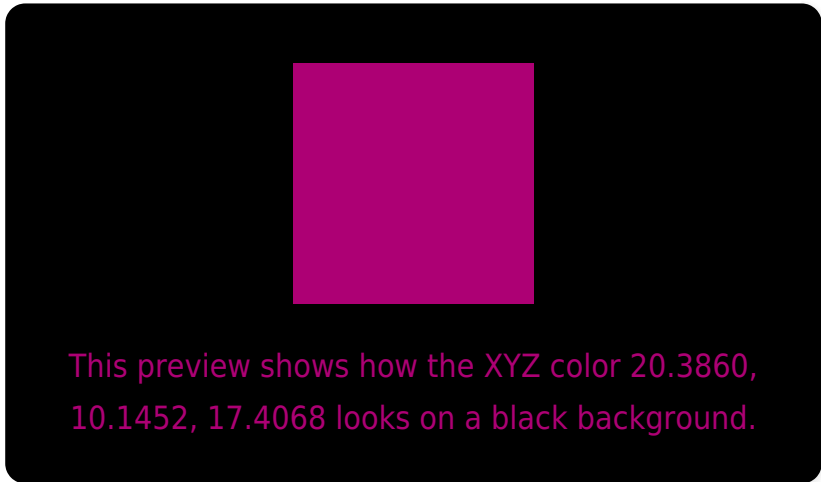
Large Text (above 18pt) WCAG AA ✓ Pass

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

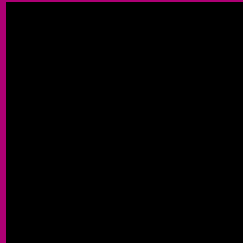
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3860, 10.1452, 17.4068

Background



This preview shows how black text looks on a background with the XYZ color 20.3860, 10.1452, 17.4068.



This preview shows how white text looks on a background with the XYZ color 20.3860, 10.1452,

17.4068.

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

20.3860, 10.1452, 17.4068

Protanopia

12.1700, 10.9063, 37.5401

Deuteranopia

10.9790, 10.7747, 15.6884



Tritanopia

17.6589, 10.4922, 3.8908

Trichromacy



Original Color

20.3860, 10.1452, 17.4068

Protanomaly

11.9540, 7.7170, 28.8765

Deuteranomaly

12.5007, 8.2849, 15.9792

Tritanomaly

18.2195, 9.9058, 7.2551

Monochromacy



Original Color

20.3860, 10.1452, 17.4068

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.1021, 5.1690, 8.9582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3860, 10.1452, 17.4068 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(173, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(173, 0, 116)  
}
```

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(173, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 0, 116) }
```

Border

The CSS property to change the border of an element to XYZ 20.3860, 10.1452, 17.4068 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(173, 0, 116) }
```


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

```
.border{ border-color:rgb(173, 0, 116) }
```

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

Here you see how a box with a 4 pixel rgb(173, 0, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(173, 0,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3860, 10.1452, 17.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 0, 116) }
```

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

```
.background{ background-color: rgb(173, 0,  
116) }
```

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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