

Converting Colors

XYZ(20.1282, 10.0023, 28.8452)

Have a look what the booklet for
XYZ(20.1282, 10.0023, 28.8452)
contains.

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Color

**XYZ(20.2003, 10.0293,
28.8881)**

Conversions

Conversions Part 1

Format	Color
Hex	A10E94
RGB	161, 14, 148
RGB Percent	63%, 5%, 58%
CMY	0.3686, 0.9450, 0.4196
CMYK	0.00, 0.91, 0.08, 0.37
HSL	305°, 84%, 34%
HSV	305°, 91%, 63%
XYZ	20.2003, 10.0293, 28.8881
YIQ	73.2290, 44.5980, 72.8380

Conversions

Conversions Part 2

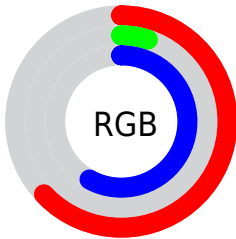
Format	Color
R_{YB}	161, 14, 148
Decimal	10555028
CIE _{Lab}	37.89, 66.08, -35.59
CIE _{LCh}	38, 75.054, 331.692
Yxy	10.0293, 0.3417, 0.1696
Android (android.graphics.Color)	4288745108 (0xFFA10E94)
YUV	73.2290, 36.8621, 76.9752
Hunter-Lab	31.6691, 58.4364, -31.9152

Details

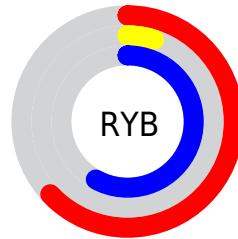
The XYZ color **20.2003, 10.0293, 28.8881** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.1244, 25.6627, 5.2996**, and the grayscale version is **6.3066, 6.6350, 7.2255**.

A 20% lighter version of the original color is **43.2414, 25.8689, 59.2140**, and **7.9834, 3.8663, 11.6348** is the 20% darker color. If you saturate the color by 10%, you get **19.9458, 9.6762, 28.3218**, and if you desaturate by 10%, it is **20.6241, 10.6951, 29.5890**.

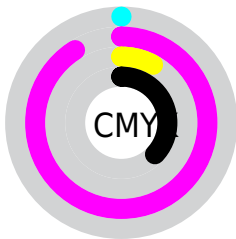
Distribution



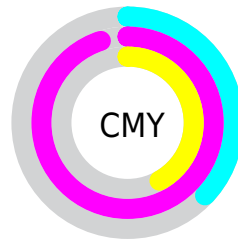
- Red (63%)
- Green (5%)
- Blue (58%)



- Red (63%)
- Yellow (5%)
- Blue (58%)



- Cyan (0%)
- Magenta (91%)
- Yellow (8%)
- Black (37%)



- Cyan (37%)
- Magenta (95%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2003, 10.0293, 28.8881 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 20.2003, 10.0293, 28.8881 by changing the saturation by 10% instead.

■ 20.2003, 10.0293,
28.8881

■ 20.2003, 10.0293,
28.8881

245.8104,
190.8811, 310.7310

■ 12.6498, 5.4184,
18.7513

■ 43.2541, 25.8506,
58.9393

■ 7.2632, 2.4948,
11.3157

■ 59.4882, 37.8298,
79.6908

■ 3.6750, 0.8740,
6.1628

■ 79.3475, 53.0338,
104.8177

■ 1.5200, 0.0000,
2.8739

■ 103.1975, 71.8471,
134.7385

■ 0.3394, 0.0000,
1.0306

■ 131.4034, 94.6541,
169.8716

■ 0.0000, 0.0000,
0.0000

■ 164.3306,

121.8392, 210.6357

202.3444,
153.7867, 257.4494

■ 20.2003, 10.0293,
28.8881

■ 20.2003, 10.0293,
28.8881

■ 19.9458, 9.6762,
28.3218

■ 20.6241, 10.6951,
29.5890

■ 21.2572, 11.7775,
30.3665

■ 22.1278, 13.3328,
31.2301

■ 23.2597, 15.4083,
32.1876

■ 24.6734, 18.0453,
33.2460

■ 26.3878, 21.2813,
34.4117

■ 28.4198, 25.1503,
35.6901

■ 30.7852, 29.6839,
37.0868

■ 33.4988, 34.9116,
38.6065

Harmonies

Analogous

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



15.2570, 10.0293, 52.4544



20.2003, 10.0293, 28.8881



22.0715, 10.0293, 10.1573

Triad

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



20.2003, 10.0293, 28.8881



9.2623, 10.0293, 0.0000



3.6340, 10.0293, 31.5549

Complementary

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



20.2003, 10.0293, 28.8881



13.1244, 25.6627, 5.2996

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.



2.9586, 10.0293, 11.7204



20.2003, 10.0293, 28.8881



5.4558, 10.0293, 0.1030

Square

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



20.2003, 10.0293, 28.8881



14.6195, 10.0293, 0.0000



3.4925, 10.0293, 2.5647



5.7881, 10.0293, 54.7105

Rectangle

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



20.2003, 10.0293, 28.8881



20.9529, 10.0293, 3.7690



3.4925, 10.0293, 2.5647



3.2668, 10.0293, 23.9112

Sweetspot

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



20.2007, 10.0298, 28.8883



48.5675, 40.6004, 62.4706



7.0231, 3.1109, 33.9489



10.4102, 8.4457, 13.5458



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.2007, 10.0298, 28.8883



35.6834, 17.3141, 50.5240



16.1343, 8.4032, 7.4749



7.3372, 7.1913, 8.7620



15.9376, 7.7311, 22.6597



0.3422, 0.1654, 0.5148

Inverse Universe

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



20.2007, 10.0298, 28.8883



35.6834, 17.3141, 50.5240



15.2149, 26.4989, 16.3080



7.3372, 7.1913, 8.7620



15.9376, 7.7311, 22.6597



0.3422, 0.1654, 0.5148

Previews

White Background



This preview shows how the XYZ color 20.2003, 10.0293, 28.8881 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

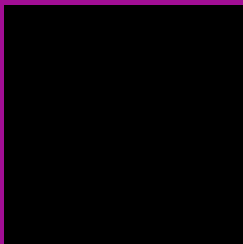
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2003, 10.0293, 28.8881

Background



This preview shows how black text looks on a background with the XYZ color 20.2003, 10.0293, 28.8881.



This preview shows how white text looks on a background with the XYZ color 20.2003, 10.0293,

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

20.2003, 10.0293, 28.8881

Protanopia

12.3526, 10.5246, 47.8348

Deuteranopia

10.7160, 10.5395, 25.8956



Tritanopia

15.5980, 10.2591, 5.8607

Trichromacy



Original Color

20.2003, 10.0293, 28.8881



Protanomaly

10.9188, 7.2459, 39.8528



Deuteranomaly

12.0268, 8.2747, 26.5545



Tritanomaly

16.5946, 9.6038, 11.5688

Monochromacy



Original Color

20.2003, 10.0293, 28.8881



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

9.3539, 6.3793, 12.7949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2003, 10.0293, 28.8881 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(161, 14, 148)` looks like.

```
.text, #text, p{  
    color:rgb(161, 14, 148)  
}
```

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(161, 14, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 14, 148) }
```

Border

The CSS property to change the border of an element to XYZ 20.2003, 10.0293, 28.8881 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(161, 14, 148) }
```


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

```
.border{ border-color:rgb(161, 14, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 14, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 14, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 14, 148); box-shadow:4px 4px 4px 4px rgb(161, 14, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2003, 10.0293, 28.8881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 14, 148) }
```

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

```
.background{ background-color: rgb(161, 14,  
148) }
```

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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