

Converting Colors

XYZ(20.7360, 10.3705, 29.9592)

Have a look what the booklet for
XYZ(20.7360, 10.3705, 29.9592)
contains.

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Color

**XYZ(20.6216, 10.3160,
29.7585)**

Conversions

Conversions Part 1

Format	Color
Hex	A21296
RGB	162, 18, 150
RGB Percent	64%, 7%, 59%
CMY	0.3647, 0.9294, 0.4118
CMYK	0.00, 0.89, 0.07, 0.36
HSL	305°, 80%, 35%
HSV	305°, 89%, 64%
XYZ	20.6216, 10.3160, 29.7585
YIQ	76.1040, 43.4520, 71.5800

Conversions

Conversions Part 2

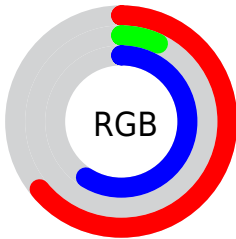
Format	Color
R_{YB}	162, 18, 150
Decimal	10621590
CIE _{Lab}	38.40, 65.95, -35.99
CIE _{LCh}	38, 75.129, 331.375
Yxy	10.3160, 0.3398, 0.1700
Android (android.graphics.Color)	4288811670 (0xFFA21296)
YUV	76.1040, 36.4307, 75.3308
Hunter-Lab	32.1185, 58.3979, -32.4505

Details

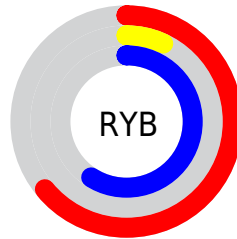
The XYZ color **20.6216, 10.3160, 29.7585** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **13.4047, 26.0634, 5.5534**, and the grayscale version is **6.8197, 7.1748, 7.8134**.

A 20% lighter version of the original color is **43.8624, 26.2790, 60.5182**, and **8.1485, 3.9460, 11.8875** is the 20% darker color. If you saturate the color by 10%, you get **20.3170, 9.8796, 29.1237**, and if you desaturate by 10%, it is **21.0930, 11.0835, 30.4552**.

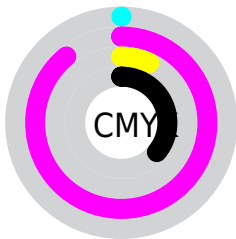
Distribution



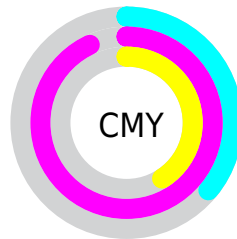
- Red (64%)
- Green (7%)
- Blue (59%)



- Red (64%)
- Yellow (7%)
- Blue (59%)



- Cyan (0%)
- Magenta (89%)
- Yellow (7%)
- Black (36%)



- Cyan (36%)
- Magenta (93%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6216, 10.3160, 29.7585 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 20.6216, 10.3160, 29.7585 by changing the saturation by 10% instead.

20.6216, 10.3160,
29.7585

20.6216, 10.3160,
29.7585

248.0306,
192.9128, 314.9493

12.9586, 5.6090,
19.4049

43.9530, 26.3882,
60.3365

7.4768, 2.6088,
11.7834

60.3520, 38.5221,
81.3980

3.8110, 0.9311,
6.4756

80.3937, 53.9005,
106.8658

1.5958, 0.0000,
3.0630

104.4435, 72.9078,
137.1586

0.3897, 0.0000,
1.1269

132.8668, 95.9282,
172.6948

0.0000, 0.0000,
0.0000

166.0288,

123.3462, 213.8929

204.2949,
155.5463, 261.1716

■ 20.6216, 10.3160,
29.7585

■ 20.6216, 10.3160,
29.7585

■ 20.3170, 9.8796,
29.1237

■ 21.0930, 11.0835,
30.4552

■ 20.2853, 9.8354,
29.0538

■ 21.7838, 12.2882,
31.2312

■ 22.7216, 13.9847,
32.0958

■ 23.9295, 16.2194,
33.0566

■ 25.4281, 19.0334,
34.1206

■ 27.2358, 22.4637,
35.2939

■ 29.3696, 26.5442,
36.5823

■ 31.8453, 31.3064,
37.9909

■ 34.6776, 36.7797,
39.5247

Harmonies

Analogous

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



15.5755, 10.3160, 53.6252



20.6216, 10.3160, 29.7585



22.5661, 10.3160, 10.5971

Triad

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



20.6216, 10.3160, 29.7585



9.5806, 10.3160, 0.0000



3.7592, 10.3160, 31.9584

Complementary

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



20.6216, 10.3160, 29.7585



13.4047, 26.0634, 5.5534

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.



3.0791, 10.3160, 11.8926



20.6216, 10.3160, 29.7585



5.6715, 10.3160, 0.1447

Square

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



20.6216, 10.3160, 29.7585



15.0483, 10.3160, 0.0187



3.6411, 10.3160, 2.6292



5.9477, 10.3160, 55.4825

Rectangle

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



20.6216, 10.3160, 29.7585



21.4594, 10.3160, 3.9876



3.6411, 10.3160, 2.6292



3.3871, 10.3160, 24.2204

Sweetspot

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



20.6220, 10.3165, 29.7587



49.9383, 41.7227, 64.3805



7.2739, 3.3179, 34.4398



10.9578, 8.8790, 14.2980



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.6220, 10.3165, 29.7587



36.7894, 17.8406, 52.5497



16.4924, 8.6646, 8.0124



7.3387, 7.1920, 8.7702



15.9888, 7.7516, 22.9294



0.3429, 0.1657, 0.5184

Inverse Universe

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



20.6220, 10.3165, 29.7587



36.7894, 17.8406, 52.5497



15.5687, 26.9290, 16.9491



7.3387, 7.1920, 8.7702



15.9888, 7.7516, 22.9294



0.3429, 0.1657, 0.5184

Previews

White Background



This preview shows how the XYZ color 20.6216, 10.3160, 29.7585 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 20.6216, 10.3160, 29.7585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

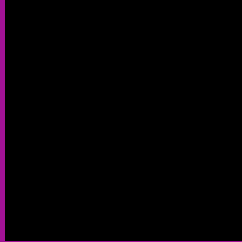
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6216, 10.3160, 29.7585

Background



This preview shows how black text looks on a background with the XYZ color 20.6216, 10.3160, 29.7585.



This preview shows how white text looks on a background with the XYZ color 20.6216, 10.3160,

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

20.6216, 10.3160, 29.7585

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

11.0188, 10.8063, 26.7044



Tritanopia

15.9206, 10.5777, 6.0531

Trichromacy



Original Color

20.6216, 10.3160, 29.7585



Protanomaly

11.2211, 7.5408, 40.9085



Deuteranomaly

12.4038, 8.6190, 27.3954



Tritanomaly

16.9086, 9.8711, 11.8406

Monochromacy



Original Color

20.6216, 10.3160, 29.7585



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

9.8778, 6.8374, 13.6311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6216, 10.3160, 29.7585 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(162, 18, 150)` looks like.

```
.text, #text, p{  
    color:rgb(162, 18, 150)  
}
```

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(162, 18, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 18, 150) }
```

Border

The CSS property to change the border of an element to XYZ 20.6216, 10.3160, 29.7585 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(162, 18, 150) }
```


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

```
.border{ border-color:rgb(162, 18, 150) }
```

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

Here you see how a box with a 4 pixel rgb(162, 18, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 18, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 18, 150);  
box-shadow:4px 4px 4px 4px rgb(162, 18,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6216, 10.3160, 29.7585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 18, 150) }
```

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

```
.background{ background-color: rgb(162, 18,  
150) }
```

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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