

Converting Colors

XYZ(20.4401, 10.6650, 28.1689)

Have a look what the booklet for
XYZ(20.4401, 10.6650, 28.1689)
contains.

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Color

**XYZ(20.3762, 10.6324,
28.1724)**

Conversions

Conversions Part 1

Format	Color
Hex	A11F92
RGB	161, 31, 146
RGB Percent	63%, 12%, 57%
CMY	0.3686, 0.8784, 0.4275
CMYK	0.00, 0.81, 0.09, 0.37
HSL	307°, 68%, 38%
HSV	307°, 81%, 63%
XYZ	20.3762, 10.6324, 28.1724
YIQ	82.9800, 40.5650, 63.3250

Conversions

Conversions Part 2

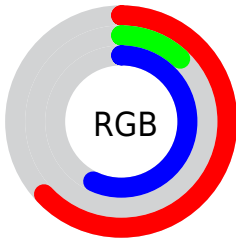
Format	Color
R_{YB}	161, 31, 146
Decimal	10559378
CIE _{Lab}	38.95, 62.38, -32.69
CIE _{LCh}	39, 70.425, 332.339
Yxy	10.6324, 0.3443, 0.1797
Android (android.graphics.Color)	4288749458 (0xFFA11F92)
YUV	82.9800, 31.0689, 68.4235
Hunter-Lab	32.6074, 54.4810, -28.4008

Details

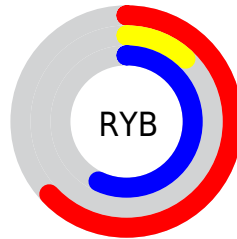
The XYZ color **20.3762, 10.6324, 28.1724** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.8036, 25.9787, 6.8726**, and the grayscale version is **8.1520, 8.5766, 9.3399**.

A 20% lighter version of the original color is **43.4659, 26.8845, 57.5419**, and **7.8913, 3.8295, 11.1497** is the 20% darker color. If you saturate the color by 10%, you get **19.9125, 9.9342, 27.3106**, and if you desaturate by 10%, it is **21.0530, 11.7525, 29.1170**.

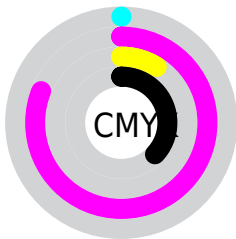
Distribution



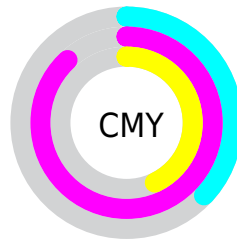
- Red (63%)
- Green (12%)
- Blue (57%)



- Red (63%)
- Yellow (12%)
- Blue (57%)



- Cyan (0%)
- Magenta (81%)
- Yellow (9%)
- Black (37%)



- Cyan (37%)
- Magenta (88%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3762, 10.6324, 28.1724 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 20.3762, 10.6324, 28.1724 by changing the saturation by 10% instead.

■ 20.3762, 10.6324,
28.1724

■ 20.3762, 10.6324,
28.1724

246.7394,
195.1279, 307.2276

■ 12.7786, 5.8202,
18.2155

■ 43.5462, 26.9784,
57.7860

■ 7.3522, 2.7361,
10.9338

■ 59.8493, 39.2810,
78.2797

■ 3.7316, 0.9955,
5.9087

■ 79.7850, 54.8492,
103.1228

■ 1.5515, 0.0000,
2.7218

■ 103.7186, 74.0674,
132.7338

■ 0.3605, 0.0000,
0.9543

■ 132.0155, 97.3199,
167.5313

■ 0.0000, 0.0000,
0.0000

■ 165.0410,

124.9913, 207.9337

203.1606,
157.4658, 254.3596

■ 20.3762, 10.6324,
28.1724

■ 20.3762, 10.6324,
28.1724

■ 19.9125, 9.9342,
27.3106

■ 21.0530, 11.7525,
29.1170

■ 19.6123, 9.5428,
26.5658

■ 21.9693, 13.3483,
30.1529

■ 23.1490, 15.4669,
31.2884

■ 24.6127, 18.1498,
32.5303

■ 26.3790, 21.4339,
33.8848

■ 28.4648, 25.3532,
35.3577

■ 30.8859, 29.9393,
36.9543

■ 33.6569, 35.2213,
38.6794

■ 36.7916, 41.2269,
40.5378

Harmonies

Analogous

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



15.7349, 10.6324, 49.9525



20.3762, 10.6324, 28.1724



22.0524, 10.6324, 10.5552

Triad

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



20.3762, 10.6324, 28.1724



9.7424, 10.6324, 0.0000



4.2429, 10.6324, 31.6038

Complementary

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



20.3762, 10.6324, 28.1724



13.8036, 25.9787, 6.8726

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.



3.5100, 10.6324, 12.6625



20.3762, 10.6324, 28.1724



6.0103, 10.6324, 0.5355

Square

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



20.3762, 10.6324, 28.1724



14.8946, 10.6324, 0.3346



4.0400, 10.6324, 3.2522



6.4722, 10.6324, 52.7966

Rectangle

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



20.3762, 10.6324, 28.1724



20.9461, 10.6324, 4.2761



4.0400, 10.6324, 3.2522



3.8511, 10.6324, 24.4214

Sweetspot

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



20.3766, 10.6329, 28.1726



49.5229, 42.6638, 62.3180



7.9624, 4.0894, 34.0881



10.5887, 8.8451, 13.4743



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.



20.3766, 10.6329, 28.1726



35.2214, 17.2383, 47.7554



16.7498, 9.1822, 9.0743



7.3290, 7.1880, 8.7187



15.6732, 7.6254, 21.2677



0.3386, 0.1639, 0.4958

Inverse Universe

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



20.3766, 10.6329, 28.1726



35.2214, 17.2383, 47.7554



16.0708, 26.8856, 18.8116



7.3290, 7.1880, 8.7187



15.6732, 7.6254, 21.2677



0.3386, 0.1639, 0.4958

Previews

White Background



This preview shows how the XYZ color 20.3762, 10.6324, 28.1724 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

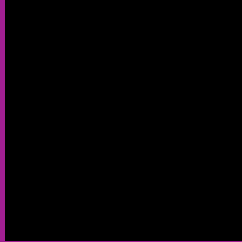
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.3762, 10.6324, 28.1724

Background



This preview shows how black text looks on a background with the XYZ color 20.3762, 10.6324, 28.1724.



This preview shows how white text looks on a background with the XYZ color 20.3762, 10.6324,

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

20.3762, 10.6324, 28.1724

Protanopia

13.0601, 11.0739, 50.7394

Deuteranopia

11.1622, 10.9057, 25.5615



Tritanopia

15.9275, 10.7326, 6.5423

Trichromacy



Original Color

20.3762, 10.6324, 28.1724



Protanomaly

11.6696, 8.2812, 41.5408



Deuteranomaly

12.8236, 9.3067, 26.3198



Tritanomaly

17.0054, 10.2801, 12.1543

Monochromacy



Original Color

20.3762, 10.6324, 28.1724



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

10.9905, 8.0869, 14.6173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3762, 10.6324, 28.1724 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, 31, 146)` looks like.

```
.text, #text, p{  
    color:rgb(161, 31, 146)  
}
```

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, 31, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 31, 146) }
```

Border

The CSS property to change the border of an element to XYZ 20.3762, 10.6324, 28.1724 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, 31, 146) }
```


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

```
.border{ border-color:rgb(161, 31, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 31, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 31, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 31, 146);  
box-shadow:4px 4px 4px 4px rgb(161, 31,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3762, 10.6324, 28.1724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 31, 146) }
```

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

```
.background{ background-color: rgb(161, 31,  
146) }
```

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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