

Converting Colors

XYZ(21.7276, 12.3638, 11.8772)

Have a look what the booklet for
XYZ(21.7276, 12.3638, 11.8772)
contains.

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Color

**XYZ(21.7812, 12.3882,
11.8328)**

Conversions

Conversions Part 1

Format	Color
Hex	B42D5E
RGB	180, 45, 94
RGB Percent	71%, 18%, 37%
CMY	0.2941, 0.8235, 0.6314
CMYK	0.00, 0.75, 0.48, 0.29
HSL	338°, 60%, 44%
HSV	338°, 75%, 71%
XYZ	21.7812, 12.3882, 11.8328
YIQ	90.9510, 64.7310, 43.8590

Conversions

Conversions Part 2

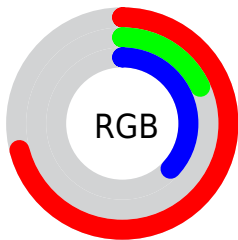
Format	Color
R_{YB}	180, 45, 94
Decimal	11808094
CIE _{Lab}	41.83, 56.72, 4.26
CIE _{LCh}	42, 56.881, 4.294
Yxy	12.3882, 0.4735, 0.2693
Android (android.graphics.Color)	4289998174 (0xFFB42D5E)
YUV	90.9510, 1.5032, 78.0960
Hunter-Lab	35.1969, 48.8682, 4.7052

Details

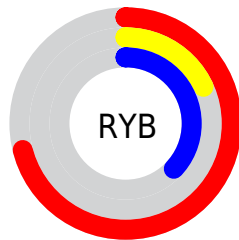
The XYZ color **21.7812, 12.3882, 11.8328** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **21.5012, 34.8396, 27.0673**, and the grayscale version is **9.9200, 10.4366, 11.3655**.

A 20% lighter version of the original color is **45.8195, 30.2394, 29.8074**, and **8.4187, 4.2783, 3.1784** is the 20% darker color. If you saturate the color by 10%, you get **20.7579, 11.1049, 9.1388**, and if you desaturate by 10%, it is **23.1743, 14.2888, 15.0276**.

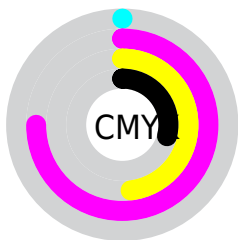
Distribution



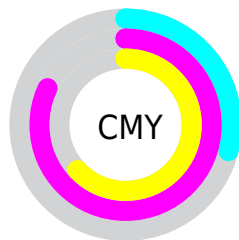
- Red (71%)
- Green (18%)
- Blue (37%)



- Red (71%)
- Yellow (18%)
- Blue (37%)



- Cyan (0%)
- Magenta (75%)
- Yellow (48%)
- Black (29%)




- Cyan (29%)
- Magenta (82%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7812, 12.3882, 11.8328 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 21.7812, 12.3882, 11.8328 by changing the saturation by 10% instead.


 21.7812, 12.3882,
11.8328


 21.7812, 12.3882,
11.8328


254.0554,
206.9586, 214.2337


 13.8119, 7.0086,
6.5088


 45.8657, 30.2002,
29.8500


 8.0708, 3.4675,
3.0831


 62.7115, 43.4014,
43.3803


 4.1925, 1.3804,
1.1372

 83.2470, 59.9786,
60.4832

 1.8116, 0.2022,
0.0000

 107.8374, 80.3162,
81.5770

 0.5246, 0.0000,
0.0000

 136.8481,
104.7986, 107.0804

 0.0000, 0.0000,
0.0000

 170.6444,

133.8103, 137.4120

209.5917,
167.7354, 172.9903

■ 21.7812, 12.3882,
11.8328

■ 21.7812, 12.3882,
11.8328

■ 20.7579, 11.1049,
9.1388

■ 23.1743, 14.2888,
15.0276

■ 20.0596, 10.3546,
6.9136

■ 24.9726, 16.8723,
18.7501

■ 19.7860, 10.0888,
5.9552

■ 27.2079, 20.1978,
23.0257

■ 29.9087, 24.3175,
27.8780

■ 33.1010, 29.2790,
33.3287

■ 36.8084, 35.1260,
39.3986

■ 41.0535, 41.8990,
46.1071

■ 45.8571, 49.6364,
53.4730

■ 51.2391, 58.3739,
61.5143

Harmonies

Analogous

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



20.6338, 12.3882, 26.1849



21.7812, 12.3882, 11.8328



19.7689, 12.3882, 4.2141

Triad

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



21.7812, 12.3882, 11.8328



7.7916, 12.3882, 1.9930



8.6128, 12.3882, 46.8159

Complementary

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



21.7812, 12.3882, 11.8328



21.5012, 34.8396, 27.0673

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.



6.2915, 12.3882, 31.1260



21.7812, 12.3882, 11.8328



5.9024, 12.3882, 5.7485

Square

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



21.7812, 12.3882, 11.8328



11.1813, 12.3882, 1.0806



5.4266, 12.3882, 15.2922



12.3886, 12.3882, 52.0916

Rectangle

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



21.7812, 12.3882, 11.8328



17.1337, 12.3882, 2.0856



5.4266, 12.3882, 15.2922



7.6687, 12.3882, 42.2615

Sweetspot

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



21.7815, 12.3889, 11.8330



61.6875, 55.7072, 63.2042



18.4603, 9.9584, 44.1293



12.9672, 11.4665, 13.0530



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.7815, 12.3889, 11.8330



36.7491, 19.1472, 13.8377



21.0742, 13.4487, 3.9686



8.6196, 8.5546, 9.4952



13.8392, 7.0532, 4.3131



0.4640, 0.2334, 0.2863

Inverse Universe

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



21.7815, 12.3889, 11.8330



36.7491, 19.1472, 13.8377



22.2414, 29.6945, 47.7395



8.6196, 8.5546, 9.4952



13.8392, 7.0532, 4.3131



0.4640, 0.2334, 0.2863

Previews

White Background



This preview shows how the XYZ color 21.7812, 12.3882, 11.8328 looks on a white background.

Color Contrast Check

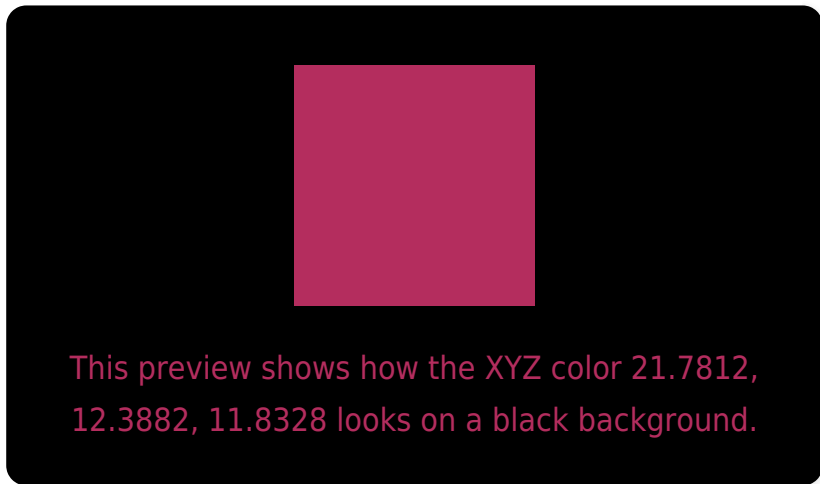
Large Text (above 18pt) WCAG AA ✓ Pass

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

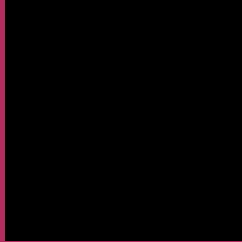
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7812, 12.3882, 11.8328

Background



This preview shows how black text looks on a background with the XYZ color 21.7812, 12.3882, 11.8328.



This preview shows how white text looks on a background with the XYZ color 21.7812, 12.3882,

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

21.7812, 12.3882, 11.8328

Protanopia

12.7160, 12.7586, 20.8612

Deuteranopia

12.8426, 12.6313, 10.7780



Tritanopia

20.4178, 12.3987, 5.1880

Trichromacy



Original Color

21.7812, 12.3882, 11.8328

Protanomaly

14.2341, 11.1442, 17.0236

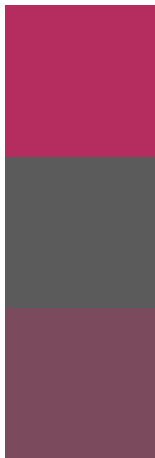
Deuteranomaly

14.9806, 11.4492, 11.0932

Tritanomaly

20.8797, 12.3936, 7.0861

Monochromacy



Original Color

21.7812, 12.3882, 11.8328

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

12.5489, 9.8812, 11.3711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7812, 12.3882, 11.8328 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(180, 45, 94)` looks like.

```
.text, #text, p{  
    color:rgb(180, 45, 94)  
}
```

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(180, 45, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 45, 94) }
```

Border

The CSS property to change the border of an element to XYZ 21.7812, 12.3882, 11.8328 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(180, 45, 94) }
```


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

```
.border{ border-color:rgb(180, 45, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 45, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 45, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 45, 94);  
box-shadow:4px 4px 4px 4px rgb(180, 45,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7812, 12.3882, 11.8328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 45, 94) }
```

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

```
.background{ background-color: rgb(180, 45,  
94) }
```

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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