

Converting Colors

XYZ(20.6673, 12.9133, 47.2007)

Have a look what the booklet for
XYZ(20.6673, 12.9133, 47.2007)
contains.

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Color

**XYZ(20.6200, 12.8696,
47.2962)**

Conversions

Conversions Part 1

Format	Color
Hex	8546B9
RGB	133, 70, 185
RGB Percent	52%, 27%, 73%
CMY	0.4784, 0.7255, 0.2745
CMYK	0.28, 0.62, 0.00, 0.27
HSL	273°, 45%, 50%
HSV	273°, 62%, 73%
XYZ	20.6200, 12.8696, 47.2962
YIQ	101.9470, 0.6330, 49.1210

Conversions

Conversions Part 2

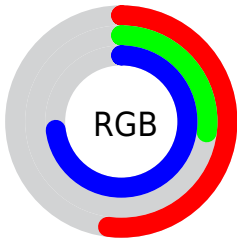
Format	Color
R_{YB}	133, 70, 185
Decimal	8734393
CIE _{Lab}	42.57, 48.00, -50.49
CIE _{LCh}	43, 69.664, 313.549
Yxy	12.8696, 0.2552, 0.1593
Android (android.graphics.Color)	4286924473 (0xFF8546B9)
YUV	101.9470, 40.9451, 27.2335
Hunter-Lab	35.8742, 39.8194, -53.0554

Details

The XYZ color **20.6200, 12.8696, 47.2962** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **26.4805, 39.2778, 11.9803**, and the grayscale version is **12.5124, 13.1640, 14.3356**.

A 20% lighter version of the original color is **43.9728, 31.1487, 87.6991**, and **7.4391, 3.6593, 21.7870** is the 20% darker color. If you saturate the color by 10%, you get **18.3675, 10.2473, 46.9090**, and if you desaturate by 10%, it is **23.3352, 16.2599, 47.8077**.

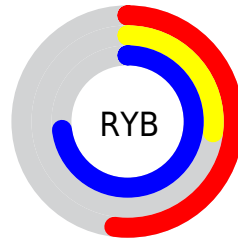
Distribution



Red (52%)

Green (27%)

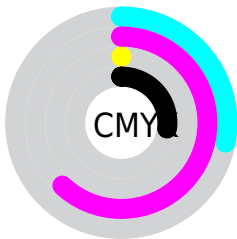
Blue (73%)



Red (52%)

Yellow (27%)

Blue (73%)

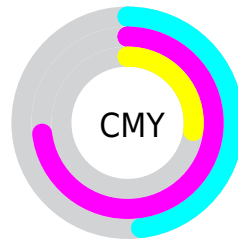


Cyan (28%)

Magenta (62%)

Yellow (0%)

Black (27%)



Cyan (48%)

Magenta (73%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6200, 12.8696, 47.2962 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 20.6200, 12.8696, 47.2962 by changing the saturation by 10% instead.

■ 20.6200, 12.8696,
47.2962

■ 20.6200, 12.8696,
47.2962

248.0222,
210.0803, 392.4235

■ 12.9574, 7.3388,
32.9139

■ 43.9503, 31.0693,
87.5102

■ 7.4760, 3.6749,
21.7899

■ 60.3487, 44.5070,
114.1789

■ 3.8105, 1.4934,
13.5058

■ 80.3898, 61.3492,
145.7802

■ 1.5955, 0.2841,
7.6429

■ 104.4388, 81.9802,
182.7325

■ 0.3895, 0.0000,
3.7828

■ 132.8612,
106.7844, 225.4545

■ 0.0000, 0.0000,
1.5070

166.0224,

■ 0.0000, 0.0000,

136.1462, 274.3646

0.2231

204.2875,
170.4500, 329.8815

■ 0.0000, 0.0000,
0.0000

■ 20.6200, 12.8696,
47.2962

■ 20.6200, 12.8696,
47.2962

■ 18.3675, 10.2473,
46.9090

■ 23.3352, 16.2599,
47.8077

■ 16.5397, 8.3223,
46.6338

■ 26.5434, 20.4772,
48.4527

■ 15.0940, 7.0129,
46.4572

■ 30.2740, 25.5764,
49.2403

■ 14.1632, 6.2898,
46.3667

■ 34.5535, 31.6069,
50.1787

■ 39.4064, 38.6146,
51.2756

■ 44.8555, 46.6421,
52.5379

■ 50.9224, 55.7297,
53.9722

■ 57.6275, 65.9152,
55.5848

■ 64.9904, 77.2347,
57.3816

Harmonies

Analogous

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



14.7614, 12.8696, 65.3468



20.6200, 12.8696, 47.2962



24.7417, 12.8696, 23.9352

Triad

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



20.6200, 12.8696, 47.2962



15.3300, 12.8696, 0.4599



4.7922, 12.8696, 21.9650

Complementary

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



20.6200, 12.8696, 47.2962



26.4805, 39.2778, 11.9803

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.



4.8636, 12.8696, 7.2997



20.6200, 12.8696, 47.2962



10.0097, 12.8696, 0.3960

Square

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



20.6200, 12.8696, 47.2962



21.1379, 12.8696, 2.0239



6.4975, 12.8696, 1.7513



6.2626, 12.8696, 44.9979

Rectangle

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



20.6200, 12.8696, 47.2962



25.3791, 12.8696, 12.2930



6.4975, 12.8696, 1.7513



4.6531, 12.8696, 15.8860

Sweetspot

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



20.6206, 12.8701, 47.2965



64.2561, 60.0037, 90.3998



18.4490, 19.1371, 48.6206



13.3428, 12.2059, 19.3743



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.6206, 12.8701, 47.2965



31.4776, 16.8084, 83.7899



30.5556, 18.0379, 45.6772



8.9787, 8.9554, 11.3348



9.7287, 4.3265, 31.5754



0.4132, 0.1887, 1.1164

Inverse Universe

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



25.7107, 16.1000, 20.1646



42.2688, 23.6261, 27.6144



21.1054, 36.4924, 12.3808



9.1689, 9.0779, 10.2368



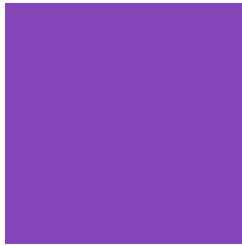
14.7394, 7.4695, 6.5145



0.5509, 0.2758, 0.3943

Previews

White Background



This preview shows how the XYZ color 20.6200, 12.8696, 47.2962 looks on a white background.

Color Contrast Check

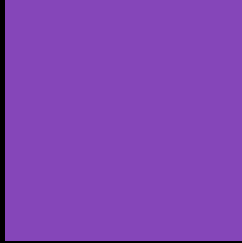
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6200, 12.8696, 47.2962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

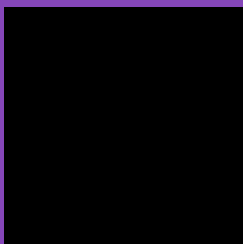
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6200, 12.8696, 47.2962

Background



This preview shows how black text looks on a background with the XYZ color 20.6200, 12.8696, 47.2962.



This preview shows how white text looks on a background with the XYZ color 20.6200, 12.8696,

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

20.6200, 12.8696, 47.2962

Protanopia

15.5372, 13.0544, 60.7323

Deuteranopia

13.3227, 12.9931, 43.9252



Tritanopia

13.8722, 12.8163, 14.3130

Trichromacy



Original Color

20.6200, 12.8696, 47.2962

Protanomaly

14.9359, 11.5683, 55.4785

Deuteranomaly

14.3114, 11.8418, 45.2475

Tritanomaly

15.5817, 12.3739, 23.3969

Monochromacy



Original Color

20.6200, 12.8696, 47.2962

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

14.6311, 12.4890, 23.4693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6200, 12.8696, 47.2962 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(133, 70, 185)` looks like.

```
.text, #text, p{  
    color:rgb(133, 70, 185)  
}
```

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(133, 70, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 70, 185) }
```

Border

The CSS property to change the border of an element to XYZ 20.6200, 12.8696, 47.2962 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(133, 70, 185) }
```


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

```
.border{ border-color:rgb(133, 70, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 70, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 70, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 70, 185);  
box-shadow:4px 4px 4px 4px rgb(133, 70,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6200, 12.8696, 47.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 70, 185) }
```

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

```
.background{ background-color: rgb(133, 70,  
185) }
```

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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