

Converting Colors

XYZ(20.1670, 12.6303, 42.9708)

Have a look what the booklet for
XYZ(20.1670, 12.6303, 42.9708)
contains.

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Color

**XYZ(20.2173, 12.6648,
42.9740)**

Conversions

Conversions Part 1

Format	Color
Hex	8845B1
RGB	136, 69, 177
RGB Percent	53%, 27%, 69%
CMY	0.4667, 0.7294, 0.3059
CMYK	0.23, 0.61, 0.00, 0.31
HSL	277°, 44%, 48%
HSV	277°, 61%, 69%
XYZ	20.2173, 12.6648, 42.9740
YIQ	101.3450, 5.2640, 47.7920

Conversions

Conversions Part 2

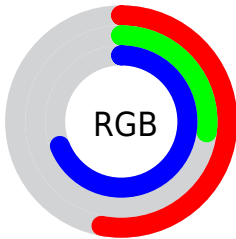
Format	Color
R_{YB}	136, 69, 177
Decimal	8930737
CIE _{Lab}	42.25, 47.37, -46.27
CIE _{LCh}	42, 66.220, 315.677
Yxy	12.6648, 0.2665, 0.1670
Android (android.graphics.Color)	4287120817 (0xFF8845B1)
YUV	101.3450, 37.2979, 30.3924
Hunter-Lab	35.5876, 39.1273, -46.6845

Details

The XYZ color **20.2173, 12.6648, 42.9740** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **23.2270, 35.1892, 11.1986**, and the grayscale version is **12.3648, 13.0088, 14.1666**.

A 20% lighter version of the original color is **43.2836, 30.7644, 80.7476**, and **7.2886, 3.5907, 19.3777** is the 20% darker color. If you saturate the color by 10%, you get **18.2292, 10.2578, 42.6144**, and if you desaturate by 10%, it is **22.5995, 15.7574, 43.4456**.

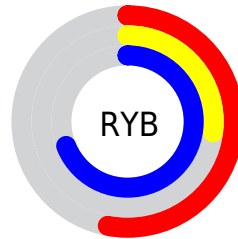
Distribution



Red (53%)

Green (27%)

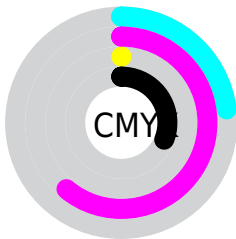
Blue (69%)



Red (53%)

Yellow (27%)

Blue (69%)

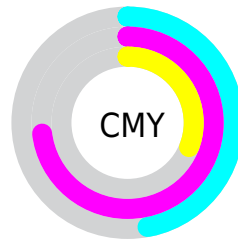


Cyan (23%)

Magenta (61%)

Yellow (0%)

Black (31%)



Cyan (47%)

Magenta (73%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2173, 12.6648, 42.9740 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 20.2173, 12.6648, 42.9740 by changing the saturation by 10% instead.

■ 20.2173, 12.6648,
42.9740

■ 20.2173, 12.6648,
42.9740

245.9003,
208.7581, 374.4229

■ 12.6623, 7.1981,
29.5335

■ 43.2824, 30.7003,
80.9576

■ 7.2718, 3.5863,
19.2357

■ 59.5231, 44.0378,
106.3377

■ 3.6805, 1.4450,
11.6622

■ 79.3899, 60.7678,
136.5347

■ 1.5230, 0.2495,
6.3944

■ 103.2479, 81.2747,
171.9672

■ 0.3414, 0.0000,
3.0137

■ 131.4626,
105.9427, 213.0538

■ 0.0000, 0.0000,
1.1016

164.3993,

■ 0.0000, 0.0000,

135.1564, 260.2129

0.0000

202.4234,
169.3000, 313.8631

■ 20.2173, 12.6648,
42.9740

■ 20.2173, 12.6648,
42.9740

■ 18.2292, 10.2578,
42.6144

■ 22.5995, 15.7574,
43.4456

■ 16.6027, 8.4746,
42.3560

■ 25.4018, 19.5873,
44.0371

■ 15.3015, 7.2444,
42.1871

■ 28.6493, 24.2025,
44.7568

■ 14.3424, 6.4770,
42.0895

■ 32.3647, 29.6466,
45.6118

■ 36.5690, 35.9601,
46.6088

■ 41.2818, 43.1804,
47.7541

■ 46.5216, 51.3431,
49.0535

■ 52.3060, 60.4815,
50.5125

■ 58.6516, 70.6275,
52.1365

Harmonies

Analogous

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



14.7988, 12.6648, 60.2475



20.2173, 12.6648, 42.9740



23.8240, 12.6648, 21.6977

Triad

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



20.2173, 12.6648, 42.9740



14.5506, 12.6648, 0.6076



4.9992, 12.6648, 22.5511

Complementary

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



20.2173, 12.6648, 42.9740



23.2270, 35.1892, 11.1986

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.



4.9669, 12.6648, 8.0830



20.2173, 12.6648, 42.9740



9.6431, 12.6648, 0.6359

Square

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



20.2173, 12.6648, 42.9740



19.9932, 12.6648, 2.0335



6.4287, 12.6648, 2.1634



6.5341, 12.6648, 43.9541

Rectangle

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



20.2173, 12.6648, 42.9740



24.2192, 12.6648, 11.2638



6.4287, 12.6648, 2.1634



4.8300, 12.6648, 16.6678

Sweetspot

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



20.2178, 12.6653, 42.9743



59.9151, 56.0015, 82.1468



16.0096, 15.6784, 43.7777



12.5400, 11.4745, 17.6982



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.2178, 12.6653, 42.9743



31.6385, 17.2228, 76.1521



26.9969, 16.2985, 37.0350



8.5313, 8.4824, 10.6939



10.4606, 4.7284, 30.4983



0.3915, 0.1809, 0.9625

Inverse Universe

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



23.0743, 14.7295, 16.3789



37.9315, 21.6770, 21.7765



19.6845, 33.3129, 13.2960



8.6254, 8.5569, 9.5257



13.9027, 7.0786, 4.6475



0.4664, 0.2343, 0.2986

Previews

White Background



This preview shows how the XYZ color 20.2173, 12.6648, 42.9740 looks on a white background.

Color Contrast Check

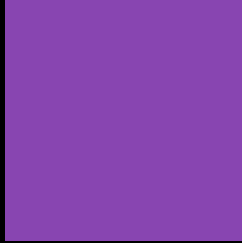
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2173, 12.6648, 42.9740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

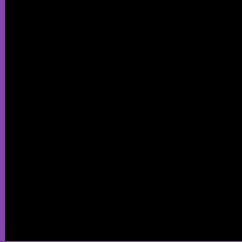
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2173, 12.6648, 42.9740

Background



This preview shows how black text looks on a background with the XYZ color 20.2173, 12.6648, 42.9740.

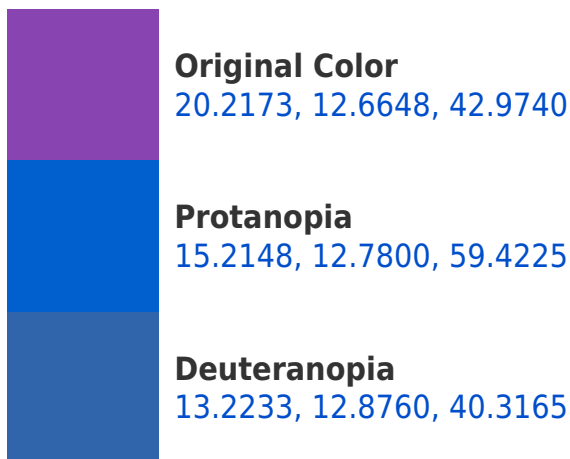


This preview shows how white text looks on a background with the XYZ color 20.2173, 12.6648,

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





Tritanopia

14.1141, 12.5750, 13.2386

Trichromacy



Original Color

20.2173, 12.6648, 42.9740



Protanomaly

14.4935, 11.2738, 53.0419



Deuteranomaly

14.4235, 11.8674, 41.0656



Tritanomaly

15.8261, 12.3080, 21.6202

Monochromacy



Original Color

20.2173, 12.6648, 42.9740



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

14.4743, 12.3071, 22.3815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2173, 12.6648, 42.9740 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(136, 69, 177)` looks like.

```
.text, #text, p{  
    color:rgb(136, 69, 177)  
}
```

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(136, 69, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 69, 177) }
```

Border

The CSS property to change the border of an element to XYZ 20.2173, 12.6648, 42.9740 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(136, 69, 177) }
```


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

```
.border{ border-color:rgb(136, 69, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 69, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 69, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 69, 177);  
box-shadow:4px 4px 4px 4px rgb(136, 69,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2173, 12.6648, 42.9740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 69, 177) }
```

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

```
.background{ background-color: rgb(136, 69,  
177) }
```

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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