

Converting Colors

XYZ(19.3548, 12.5000, 45.1341)

Have a look what the booklet for
XYZ(19.3548, 12.5000, 45.1341)
contains.

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Color

**XYZ(19.2620, 12.4065,
45.0955)**

Conversions

Conversions Part 1

Format	Color
Hex	7E48B5
RGB	126, 72, 181
RGB Percent	49%, 28%, 71%
CMY	0.5059, 0.7176, 0.2902
CMYK	0.30, 0.60, 0.00, 0.29
HSL	270°, 43%, 50%
HSV	270°, 60%, 71%
XYZ	19.2620, 12.4065, 45.0955
YIQ	100.5720, -2.8050, 45.3470

Conversions

Conversions Part 2

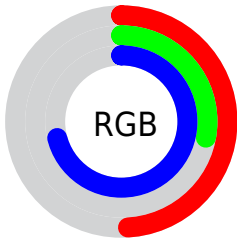
Format	Color
R_{YB}	126, 72, 181
Decimal	8276149
CIE _{Lab}	41.86, 44.32, -49.33
CIE _{LCh}	42, 66.313, 311.935
Yxy	12.4065, 0.2509, 0.1616
Android (android.graphics.Color)	4286466229 (0xFF7E48B5)
YUV	100.5720, 39.6510, 22.3004
Hunter-Lab	35.2229, 35.9746, -51.2524

Details

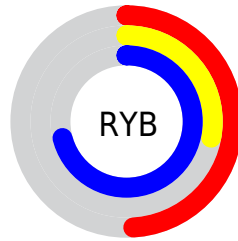
The XYZ color **19.2620, 12.4065, 45.0955** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **26.4460, 38.0278, 12.0774**, and the grayscale version is **12.1619, 12.7953, 13.9340**.

A 20% lighter version of the original color is **41.8070, 30.2840, 84.5309**, and **6.7902, 3.4838, 20.3932** is the 20% darker color. If you saturate the color by 10%, you get **16.9737, 9.7383, 44.7013**, and if you desaturate by 10%, it is **22.0187, 15.8278, 45.6108**.

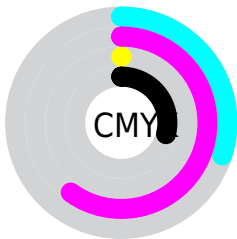
Distribution



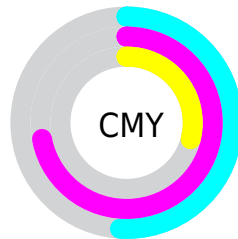
- Red (49%)
- Green (28%)
- Blue (71%)



- Red (49%)
- Yellow (28%)
- Blue (71%)



- Cyan (30%)
- Magenta (60%)
- Yellow (0%)
- Black (29%)



- Cyan (51%)
- Magenta (72%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2620, 12.4065, 45.0955 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 19.2620, 12.4065, 45.0955 by changing the saturation by 10% instead.

19.2620, 12.4065,
45.0955

19.2620, 12.4065,
45.0955

240.8018,
207.0782, 383.3316

11.9649, 7.0212,
31.1892

41.6898, 30.2333,
84.1837

6.7918, 3.4753,
20.4833

57.5512, 43.4436,
110.2026

3.3774, 1.3846,
12.5593

76.9981, 60.0310,
141.0961

1.3563, 0.2054,
6.9986

100.3957, 80.3798,
177.2827

0.2248, 0.0000,
3.3828

128.1096,
104.8746, 219.1811

0.0000, 0.0000,
1.2933

160.5050,

0.0000, 0.0000,

133.8996, 267.2096

0.0563

197.9473,
167.8394, 321.7870

■ 0.0000, 0.0000,
0.0000

■ 19.2620, 12.4065,
45.0955

■ 19.2620, 12.4065,
45.0955

■ 16.9737, 9.7383,
44.7013

■ 22.0187, 15.8278,
45.6108

■ 15.1178, 7.7577,
44.4168

■ 25.2729, 20.0574,
46.2557

■ 13.6545, 6.3896,
44.2299

■ 29.0527, 25.1466,
47.0388

■ 12.5252, 5.4935,
44.1165

■ 33.3837, 31.1421,
47.9678

■ 38.2896, 38.0870,
49.0497

■ 43.7926, 46.0218,
50.2912

■ 49.9137, 54.9844,
51.6986

■ 56.6728, 65.0109,
53.2776

■ 64.0889, 76.1353,
55.0340

Harmonies

Analogous

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



13.8463, 12.4065, 60.7287



19.2620, 12.4065, 45.0955



23.1869, 12.4065, 23.7035

Triad

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



19.2620, 12.4065, 45.0955



14.9563, 12.4065, 0.6376



4.7751, 12.4065, 19.8811

Complementary

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



19.2620, 12.4065, 45.0955



26.4460, 38.0278, 12.0774

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.



4.9191, 12.4065, 6.7581



19.2620, 12.4065, 45.0955



9.9516, 12.4065, 0.5093

Square

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



19.2620, 12.4065, 45.0955



20.2656, 12.4065, 2.3184



6.5564, 12.4065, 1.7445



6.0871, 12.4065, 40.6964

Rectangle

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



19.2620, 12.4065, 45.0955



23.9137, 12.4065, 12.6192



6.5564, 12.4065, 1.7445



4.6676, 12.4065, 14.4388

Sweetspot

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



19.2625, 12.4070, 45.0958



61.3947, 58.0279, 86.2593



18.7738, 20.2353, 46.6326



12.7534, 11.8181, 18.5312



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.



19.2625, 12.4070, 45.0958



29.3300, 16.2597, 79.8872



29.2909, 17.5768, 45.5651



8.4296, 8.4300, 10.6892



8.7144, 3.8282, 30.4166



0.3415, 0.1552, 0.9602

Inverse Universe

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



25.2044, 15.9910, 21.8367



41.6382, 23.6859, 31.6199



20.5038, 34.9644, 11.7993



8.6693, 8.5744, 9.7567



14.4835, 7.3110, 7.7060



0.4851, 0.2418, 0.3974

Previews

White Background



This preview shows how the XYZ color 19.2620, 12.4065, 45.0955 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 19.2620, 12.4065, 45.0955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

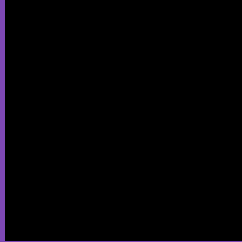
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2620, 12.4065, 45.0955

Background



This preview shows how black text looks on a background with the XYZ color 19.2620, 12.4065, 45.0955.



This preview shows how white text looks on a background with the XYZ color 19.2620, 12.4065,

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

19.2620, 12.4065, 45.0955

Protanopia

14.8717, 12.4962, 58.1281

Deuteranopia

12.8601, 12.5008, 42.2925



Tritanopia

12.9565, 12.3442, 14.2702

Trichromacy



Original Color

19.2620, 12.4065, 45.0955

Protanomaly

14.3852, 11.3374, 53.0599

Deuteranomaly

13.8387, 11.6449, 43.1133

Tritanomaly

14.6270, 12.0073, 23.0194

Monochromacy



Original Color

19.2620, 12.4065, 45.0955

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.1158, 12.2390, 22.7375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2620, 12.4065, 45.0955 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(126, 72, 181)` looks like.

```
.text, #text, p{  
    color:rgb(126, 72, 181)  
}
```

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(126, 72, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 72, 181) }
```

Border

The CSS property to change the border of an element to XYZ 19.2620, 12.4065, 45.0955 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(126, 72, 181) }
```


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

```
.border{ border-color:rgb(126, 72, 181) }
```

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

Here you see how a box with a 4 pixel rgb(126, 72, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 72, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 72, 181);  
box-shadow:4px 4px 4px 4px rgb(126, 72,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2620, 12.4065, 45.0955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 72, 181) }
```

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

```
.background{ background-color: rgb(126, 72,  
181) }
```

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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