

Converting Colors

XYZ(20.7762, 12.5261, 62.2959)

Have a look what the booklet for
XYZ(20.7762, 12.5261, 62.2959)
contains.

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Color

**XYZ(20.8312, 12.5542,
62.2980)**

Conversions

Conversions Part 1

Format	Color
Hex	7345D2
RGB	115, 69, 210
RGB Percent	45%, 27%, 82%
CMY	0.5490, 0.7294, 0.1765
CMYK	0.45, 0.67, 0.00, 0.18
HSL	260°, 61%, 55%
HSV	260°, 67%, 82%
XYZ	20.8312, 12.5542, 62.2980
YIQ	98.8280, -17.8450, 53.6030

Conversions

Conversions Part 2

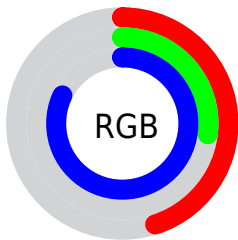
Format	Color
R_{YB}	115, 69, 210
Decimal	7554514
CIE _{Lab}	42.08, 51.10, -65.89
CIE _{LCh}	42, 83.383, 307.793
Yxy	12.5542, 0.2177, 0.1312
Android (android.graphics.Color)	4285744594 (0xFF7345D2)
YUV	98.8280, 54.8078, 14.1828
Hunter-Lab	35.4319, 42.9383, -79.4441

Details

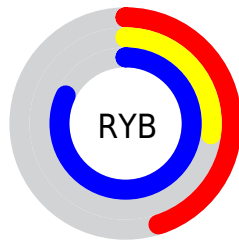
The XYZ color **20.8312, 12.5542, 62.2980** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **39.4300, 54.4152, 14.0553**, and the grayscale version is **11.6869, 12.2956, 13.3899**.

A 20% lighter version of the original color is **42.0001, 29.5372, 98.0953**, and **7.5545, 3.5183, 30.8528** is the 20% darker color. If you saturate the color by 10%, you get **18.0406, 9.5255, 61.8608**, and if you desaturate by 10%, it is **24.3656, 16.6447, 62.9015**.

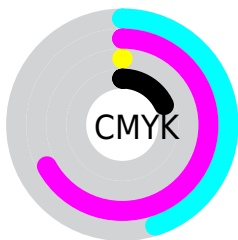
Distribution



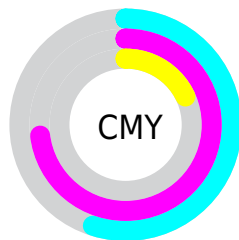
- Red (45%)
- Green (27%)
- Blue (82%)



- Red (45%)
- Yellow (27%)
- Blue (82%)



- Cyan (45%)
- Magenta (67%)
- Yellow (0%)
- Black (18%)



- Cyan (55%)
- Magenta (73%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8312, 12.5542, 62.2980 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 20.8312, 12.5542, 62.2980 by changing the saturation by 10% instead.

■ 20.8312, 12.5542,
62.2980

■ 20.8312, 12.5542,
62.2980

249.1288,
208.0405, 451.0549

■ 13.1124, 7.1223,
44.8362

■ 44.2998, 30.5005,
109.7319

■ 7.5835, 3.5387,
30.9864

■ 60.7804, 43.7837,
140.5410

■ 3.8792, 1.4190,
20.3301

■ 80.9123, 60.4528,
176.6364

■ 1.6340, 0.2307,
12.4488

■ 105.0608, 80.8922,
218.4364

■ 0.4144, 0.0000,
6.9239

■ 133.5914,
105.4863, 266.3598

■ 0.0000, 0.0000,
3.3368

166.8693,

■ 0.0000, 0.0000,

134.6194, 320.8250

1.2691

205.2600,
168.6760, 382.2505

■ 0.0000, 0.0000,
0.0362

■ 0.0000, 0.0000,
0.0000

■ 20.8312, 12.5542,
62.2980

■ 20.8312, 12.5542,
62.2980

■ 18.0406, 9.5255,
61.8608

■ 24.3656, 16.6447,
62.9015

■ 15.9281, 7.4492,
61.5714

■ 28.6973, 21.8887,
63.6854

■ 14.4124, 6.1827,
61.4068

■ 33.8767, 28.3692,
64.6633

■ 14.0530, 5.9008,
61.3713

■ 39.9493, 36.1610,
65.8472

■ 46.9571, 45.3328,
67.2482

■ 54.9394, 55.9485,
68.8765

■ 63.9330, 68.0678,
70.7418

■ 73.9729, 81.7472,
72.8530

■ 84.1276, 95.1106,
74.8972

Harmonies

Analogous

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



13.6232, 12.5542, 83.0793



20.8312, 12.5542, 62.2980



26.7237, 12.5542, 31.0612

Triad

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



20.8312, 12.5542, 62.2980



17.0294, 12.5542, 0.0000



3.5892, 12.5542, 18.8419

Complementary

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



20.8312, 12.5542, 62.2980



39.4300, 54.4152, 14.0553

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.



3.9481, 12.5542, 4.3996



20.8312, 12.5542, 62.2980



10.3876, 12.5542, 0.0000

Square

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



20.8312, 12.5542, 62.2980



24.0508, 12.5542, 1.6057



6.0160, 12.5542, 0.4661



4.7731, 12.5542, 47.0862

Rectangle

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



20.8312, 12.5542, 62.2980



28.2505, 12.5542, 15.0266



6.0160, 12.5542, 0.4661



3.5439, 12.5542, 12.3964

Sweetspot

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



20.8318, 12.5546, 62.2983



69.3521, 65.7214, 103.6380



27.6056, 32.9552, 65.8790



14.1783, 13.1949, 22.0495



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



20.8318, 12.5546, 62.2983



26.3068, 13.0730, 95.7446



33.5643, 19.1184, 62.8942



11.5218, 11.6023, 14.8759



8.6666, 3.6481, 37.4399



0.5674, 0.2467, 2.0973

Inverse Universe

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



35.4071, 20.6382, 37.2377



51.3505, 27.0249, 49.8662



28.8247, 48.9479, 13.5590



12.1399, 11.9407, 14.0126



19.2150, 9.5588, 16.5701



1.1100, 0.5487, 1.1142

Previews

White Background



This preview shows how the XYZ color 20.8312, 12.5542, 62.2980 looks on a white background.

Color Contrast Check

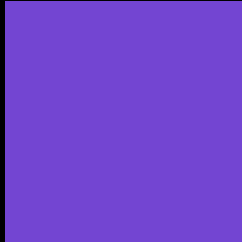
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8312, 12.5542, 62.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

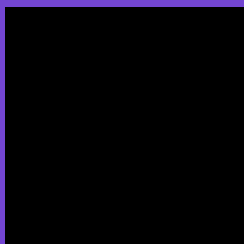
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8312, 12.5542, 62.2980

Background



This preview shows how black text looks on a background with the XYZ color 20.8312, 12.5542, 62.2980.



This preview shows how white text looks on a background with the XYZ color 20.8312, 12.5542,

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

20.8312, 12.5542, 62.2980

Protanopia

14.9624, 12.6775, 58.1583

Deuteranopia

12.4892, 12.5979, 42.3308



Tritanopia

11.5338, 12.5353, 16.2797

Trichromacy



Original Color

20.8312, 12.5542, 62.2980

Protanomaly

15.4232, 11.6040, 59.8194

Deuteranomaly

13.6881, 11.4354, 49.0628

Tritanomaly

13.7977, 11.8168, 28.7478

Monochromacy



Original Color

20.8312, 12.5542, 62.2980

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.9756, 11.8468, 25.9762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8312, 12.5542, 62.2980 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(115, 69, 210)` looks like.

```
.text, #text, p{  
    color:rgb(115, 69, 210)  
}
```

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(115, 69, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 69, 210) }
```

Border

The CSS property to change the border of an element to XYZ 20.8312, 12.5542, 62.2980 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(115, 69, 210) }
```


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

```
.border{ border-color:rgb(115, 69, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 69, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 69, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 69, 210);  
box-shadow:4px 4px 4px 4px rgb(115, 69,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8312, 12.5542, 62.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 69, 210) }
```

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

```
.background{ background-color: rgb(115, 69,  
210) }
```

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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