

Converting Colors

XYZ(20.7359, 12.6926, 79.9543)

Have a look what the booklet for
XYZ(20.7359, 12.6926, 79.9543)
contains.

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Color

**XYZ(20.7359, 12.6926,
79.9543)**

Conversions

Conversions Part 1

Format	Color
Hex	4F4BEB
RGB	79, 75, 235
RGB Percent	31%, 29%, 92%
CMY	0.6902, 0.7059, 0.0784
CMYK	0.66, 0.68, 0.00, 0.08
HSL	242°, 80%, 61%
HSV	242°, 68%, 92%
XYZ	20.7359, 12.6926, 79.9543
YIQ	94.4360, -48.9760, 50.6080

Conversions

Conversions Part 2

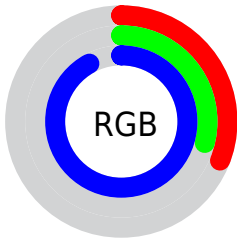
Format	Color
R _Y B	79, 75, 235
Decimal	5196779
CIE Lab	42.30, 49.72, -79.93
CIE LCh	42, 94.129, 301.886
Yxy	12.6926, 0.1829, 0.1119
Android (android.graphics.Color)	4283386859 (0xFF4F4BEB)
YUV	94.4360, 69.2981, -13.5374
Hunter-Lab	35.6267, 41.5462, -108.1215

Details

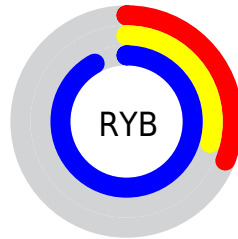
The XYZ color **20.7359, 12.6926, 79.9543** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **63.9306, 76.9124, 18.1326**, and the grayscale version is **10.5925, 11.1441, 12.1359**.

A 20% lighter version of the original color is **37.0607, 27.9070, 98.0410**, and **8.4752, 4.0931, 42.4628** is the 20% darker color. If you saturate the color by 10%, you get **17.8376, 9.2533, 79.4436**, and if you desaturate by 10%, it is **24.8804, 17.6474, 80.6926**.

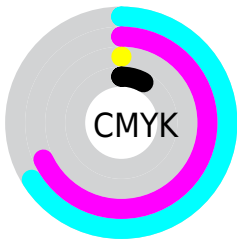
Distribution



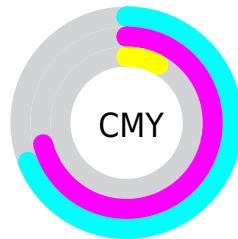
- Red (31%)
- Green (29%)
- Blue (92%)



- Red (31%)
- Yellow (29%)
- Blue (92%)



- Cyan (66%)
- Magenta (68%)
- Yellow (0%)
- Black (8%)



- Cyan (69%)
- Magenta (71%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7359, 12.6926, 79.9543 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 20.7359, 12.6926, 79.9543 by changing the saturation by 10% instead.

■ 20.7359, 12.6926,
79.9543

■ 20.7359, 12.6926,
79.9543

248.6300,
208.9381, 514.4815

■ 13.0424, 7.2172,
59.1548

■ 44.1422, 30.7504,
135.1123

■ 7.5350, 3.5983,
42.3169

■ 60.5857, 44.1016,
170.3079

■ 3.8482, 1.4515,
29.0221

■ 80.6767, 60.8469,
211.1392

■ 1.6166, 0.2542,
18.8518

■ 104.7804, 81.3706,
258.0249

■ 0.4032, 0.0000,
11.3875

■ 133.2622,
106.0572, 311.3834

■ 0.0000, 0.0000,
6.2107

166.4875,

■ 0.0000, 0.0000,

135.2911, 371.6333

2.9028

204.8216,
169.4566, 439.1932

■ 0.0000, 0.0000,
1.0452

■ 0.0000, 0.0000,
0.0000

■ 20.7359, 12.6926,
79.9543

■ 20.7359, 12.6926,
79.9543

■ 17.8376, 9.2533,
79.4436

■ 24.8804, 17.6474,
80.6926

■ 16.0439, 7.1551,
79.1331

■ 30.3877, 24.2644,
81.6795

■ 15.1729, 6.1622,
78.9874

■ 37.3635, 32.6738,
82.9351

■ 15.0692, 6.0362,
78.9685

■ 45.9025, 42.9930,
84.4768

■ 56.0915, 55.3290,
86.3209

■ 68.0109, 69.7812,
88.4822

■ 81.7358, 86.4423,
90.9747

■ 91.9955, 98.7782,
92.8151

Harmonies

Analogous

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



12.5156, 12.6926, 100.2825



20.7359, 12.6926, 79.9543



28.4078, 12.6926, 41.3794

Triad

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



20.7359, 12.6926, 79.9543



19.6468, 12.6926, 0.0000



2.9538, 12.6926, 15.1375

Complementary

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



20.7359, 12.6926, 79.9543



63.9306, 76.9124, 18.1326

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.



3.6219, 12.6926, 2.4100



20.7359, 12.6926, 79.9543



11.6233, 12.6926, 0.0000

Square

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



20.7359, 12.6926, 79.9543



27.6255, 12.6926, 1.7832



6.2261, 12.6926, 0.0000



3.8256, 12.6926, 46.1488

Rectangle

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



20.7359, 12.6926, 79.9543



31.0785, 12.6926, 20.0569



6.2261, 12.6926, 0.0000



3.0043, 12.6926, 9.0321

Sweetspot

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



20.7367, 12.6929, 79.9547



64.8965, 63.4244, 103.4295



46.8477, 65.3954, 88.7511



13.1300, 12.6545, 22.0005



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.



20.7367, 12.6929, 79.9547



20.3954, 9.8736, 95.4386



31.5465, 18.2656, 80.4606



14.2661, 14.5669, 18.9820



8.4024, 3.3675, 43.9501



0.6721, 0.2708, 3.4517

Inverse Universe

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



51.1997, 28.4633, 78.3902



59.4308, 30.0933, 92.9218



43.9898, 66.6325, 17.1993



15.6976, 15.3069, 18.9587



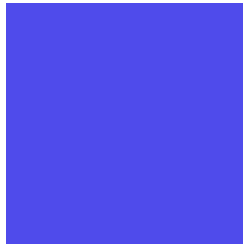
26.9551, 12.9847, 42.4266



2.1218, 1.0217, 3.3588

Previews

White Background



This preview shows how the XYZ color 20.7359, 12.6926, 79.9543 looks on a white background.

Color Contrast Check

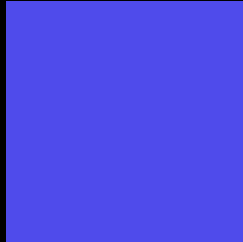
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7359, 12.6926, 79.9543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

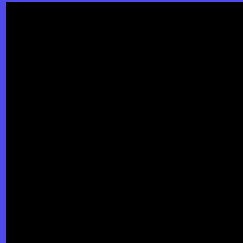
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 20.7359, 12.6926, 79.9543

Background



This preview shows how black text looks on a background with the XYZ color 20.7359, 12.6926, 79.9543.



This preview shows how white text looks on a background with the XYZ color 20.7359, 12.6926,

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

20.7359, 12.6926, 79.9543

Protanopia

14.8435, 12.6300, 57.5326

Deuteranopia

12.2942, 12.5199, 41.3038



Tritanopia

8.8459, 12.4599, 19.0783

Trichromacy



Original Color

20.7359, 12.6926, 79.9543

Protanomaly

16.1340, 12.0957, 65.1027

Deuteranomaly

14.2976, 11.9010, 53.7681

Tritanomaly

11.2144, 11.3838, 35.3244

Monochromacy



Original Color

20.7359, 12.6926, 79.9543

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.6389, 10.9846, 28.2422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7359, 12.6926, 79.9543 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(79, 75, 235)` looks like.

```
.text, #text, p{  
    color:rgb(79, 75, 235)  
}
```

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(79, 75, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 75, 235) }
```

Border

The CSS property to change the border of an element to XYZ 20.7359, 12.6926, 79.9543 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(79, 75, 235) }
```


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

```
.border{ border-color:rgb(79, 75, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 75, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 75, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 75, 235);  
box-shadow:4px 4px 4px 4px rgb(79, 75,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7359, 12.6926, 79.9543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 75, 235) }
```

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

```
.background{ background-color: rgb(79, 75,  
235) }
```

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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