

Converting Colors

XYZ(20.4877, 20.1211, 29.6749)

Have a look what the booklet for
XYZ(20.4877, 20.1211, 29.6749)
contains.

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Color

**XYZ(20.4057, 20.0791,
29.5882)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7991
RGB	125, 121, 145
RGB Percent	49%, 47%, 57%
CMY	0.5098, 0.5255, 0.4314
CMYK	0.14, 0.17, 0.00, 0.43
HSL	250°, 10%, 52%
HSV	250°, 17%, 57%
XYZ	20.4057, 20.0791, 29.5882
YIQ	124.9320, -5.3200, 8.3120

Conversions

Conversions Part 2

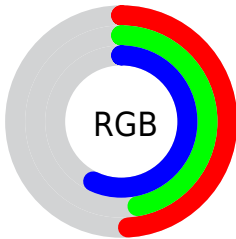
Format	Color
R_{YB}	125, 121, 145
Decimal	8223121
CIE Lab	51.93, 6.61, -12.43
CIE LCh	52, 14.075, 297.990
Yxy	20.0791, 0.2912, 0.2865
Android (android.graphics.Color)	4286413201 (0xFF7D7991)
YUV	124.9320, 9.8935, 0.0596
Hunter-Lab	44.8097, 2.8694, -7.7829

Details

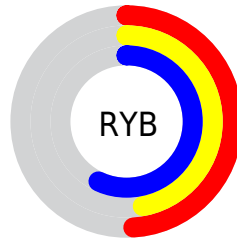
The XYZ color **20.4057, 20.0791, 29.5882** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **24.5618, 27.2945, 22.0640**, and the grayscale version is **19.4397, 20.4521, 22.2723**.

A 20% lighter version of the original color is **43.6125, 43.4756, 60.1258**, and **7.4286, 7.1278, 11.8107** is the 20% darker color. If you saturate the color by 10%, you get **17.1164, 15.9616, 28.9671**, and if you desaturate by 10%, it is **24.1758, 24.8386, 30.3085**.

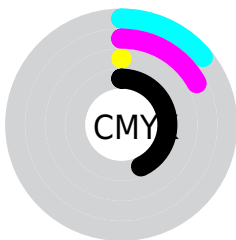
Distribution



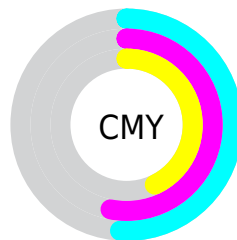
- Red (49%)
- Green (47%)
- Blue (57%)



- Red (49%)
- Yellow (47%)
- Blue (57%)



- Cyan (14%)
- Magenta (17%)
- Yellow (0%)
- Black (43%)



- Cyan (51%)
- Magenta (53%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4057, 20.0791, 29.5882 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 20.4057, 20.0791, 29.5882 by changing the saturation by 10% instead.

■ 20.4057, 20.0791,
29.5882

■ 20.4057, 20.0791,
29.5882

246.8949,
252.3430, 314.1276

■ 12.8003, 12.4526,
19.2768

■ 43.5951, 43.5498,
60.0636

■ 7.3672, 7.0527,
11.6917

■ 59.9098, 60.1627,
81.0647

■ 3.7412, 3.4951,
6.4141

■ 79.8583, 80.5398,
106.4662

■ 1.5568, 1.3953,
3.0256

103.8059,
105.0656, 136.6866

■ 0.3640, 0.2133,
1.1077

132.1180,
134.1244, 172.1443

■ 0.0000, 0.0000,
0.0000

165.1600,

168.1007, 213.2581

203.2972,
207.3787, 260.4463

■ 20.4057, 20.0791,
29.5882

■ 20.4057, 20.0791,
29.5882

■ 17.1164, 15.9616,
28.9671

■ 24.1758, 24.8386,
30.3085

■ 14.2865, 12.4563,
28.4397

■ 28.4432, 30.2636,
31.1307

■ 11.8959, 9.5342,
28.0017

■ 33.2257, 36.3792,
32.0591

■ 9.9222, 7.1636,
27.6481

■ 38.5400, 43.2087,
33.0972

■ 8.3409, 5.3092,
27.3735

■ 44.4018, 50.7741,
34.2485

7.1249, 3.9319,
27.1718

50.8263, 59.0965,
35.5163

6.2436, 2.9867,
27.0358

57.8278, 68.1963,
36.9037

5.6531, 2.4045,
26.9545

65.4205, 78.0930,
38.4138

5.4914, 2.2405,
26.9314

73.6179, 88.8053,
40.0494

Harmonies

Analogous

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



18.9882, 20.0791, 30.7247



20.4057, 20.0791, 29.5882



21.5149, 20.0791, 26.3129

Triad

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



20.4057, 20.0791, 29.5882



20.5810, 20.0791, 15.8366



16.4639, 20.0791, 21.5874

Complementary

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



20.4057, 20.0791, 29.5882



24.5618, 27.2945, 22.0640

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.



16.8445, 20.0791, 17.9449



20.4057, 20.0791, 29.5882



19.1813, 20.0791, 14.8932

Square

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



20.4057, 20.0791, 29.5882



21.6197, 20.0791, 18.3680



17.8218, 20.0791, 15.6147



16.7558, 20.0791, 25.7748

Rectangle

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



20.4057, 20.0791, 29.5882



21.9053, 20.0791, 23.5443



17.8218, 20.0791, 15.6147



16.5170, 20.0791, 20.2632

Sweetspot

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



20.4063, 20.0799, 29.5886



44.3439, 45.8117, 54.4789



22.5806, 25.2778, 30.4773



9.7634, 10.0628, 12.0999



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.4063, 20.0799, 29.5886



34.1661, 32.9746, 52.5375



22.2000, 21.0046, 29.6726



5.2082, 5.2955, 6.7764



4.7262, 1.9300, 23.1005



0.0579, 0.0250, 0.2215

Inverse Universe

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



23.3228, 21.6184, 28.1437



40.4582, 36.2953, 49.3527



22.6914, 26.3303, 21.9764



5.5882, 5.4958, 6.5955



12.9757, 6.3473, 16.0553



0.1307, 0.0633, 0.1884

Previews

White Background



This preview shows how the XYZ color 20.4057, 20.0791, 29.5882 looks on a white 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

Black Background



This preview shows how the XYZ color 20.4057, 20.0791, 29.5882 looks on a black 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

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

XYZ 20.4057, 20.0791, 29.5882

Background



This preview shows how black text looks on a background with the XYZ color 20.4057, 20.0791, 29.5882.



This preview shows how white text looks on a background with the XYZ color 20.4057, 20.0791,

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

20.4057, 20.0791, 29.5882

Protanopia

19.8790, 20.1632, 30.0383

Deuteranopia

20.5524, 20.1547, 29.5951



Tritanopia

19.4850, 20.0703, 25.0373

Trichromacy



Original Color

20.4057, 20.0791, 29.5882

Protanomaly

20.0330, 20.0593, 30.0101

Deuteranomaly

20.5524, 20.1547, 29.5951

Tritanomaly

19.7871, 20.0103, 26.4864

Monochromacy



Original Color

20.4057, 20.0791, 29.5882

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8300, 20.4412, 24.7302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4057, 20.0791, 29.5882 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(125, 121, 145)` looks like.

```
.text, #text, p{  
    color:rgb(125, 121, 145)  
}
```

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(125, 121, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 121, 145) }
```

Border

The CSS property to change the border of an element to XYZ 20.4057, 20.0791, 29.5882 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(125, 121, 145) }
```


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

```
.border{ border-color:rgb(125, 121, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 121, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 121, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 121, 145);  
box-shadow:4px 4px 4px 4px rgb(125, 121,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4057, 20.0791, 29.5882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 121, 145) }
```

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

```
.background{ background-color: rgb(125,  
121, 145) }
```

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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