

Converting Colors

XYZ(20.2384, 20.3415, 28.7669)

Have a look what the booklet for
XYZ(20.2384, 20.3415, 28.7669)
contains.

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Color

**XYZ(20.2093, 20.3600,
28.8513)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7B8F
RGB	123, 123, 143
RGB Percent	48%, 48%, 56%
CMY	0.5176, 0.5176, 0.4392
CMYK	0.14, 0.14, 0.00, 0.44
HSL	240°, 8%, 52%
HSV	240°, 14%, 56%
XYZ	20.2093, 20.3600, 28.8513
YIQ	125.2800, -6.4200, 6.2200

Conversions

Conversions Part 2

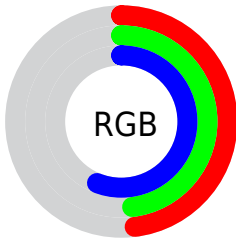
Format	Color
R_{YB}	123, 123, 143
Decimal	8092559
CIE _{Lab}	52.24, 4.28, -10.80
CIE _{LCh}	52, 11.619, 291.631
Yxy	20.3600, 0.2911, 0.2933
Android (android.graphics.Color)	4286282639 (0xFF7B7B8F)
YUV	125.2800, 8.7360, -1.9996
Hunter-Lab	45.1221, 0.9831, -6.3249

Details

The XYZ color **20.2093, 20.3600, 28.8513** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **24.7256, 26.9148, 22.6314**, and the grayscale version is **19.5608, 20.5795, 22.4111**.

A 20% lighter version of the original color is **43.3125, 43.9213, 59.0182**, and **7.2486, 7.1437, 11.3528** is the 20% darker color. If you saturate the color by 10%, you get **16.6650, 16.0895, 28.2141**, and if you desaturate by 10%, it is **24.3128, 25.3045, 29.5897**.

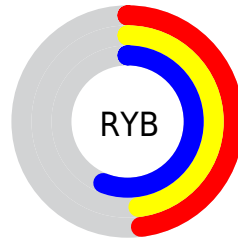
Distribution



Red (48%)

Green (48%)

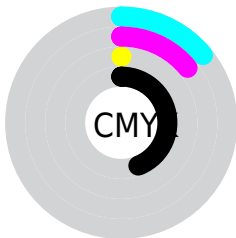
Blue (56%)



Red (48%)

Yellow (48%)

Blue (56%)

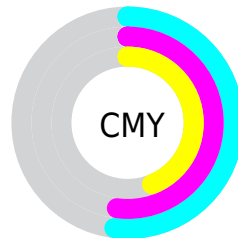


Cyan (14%)

Magenta (14%)

Yellow (0%)

Black (44%)



Cyan (52%)

Magenta (52%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2093, 20.3600, 28.8513 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 20.2093, 20.3600, 28.8513 by changing the saturation by 10% instead.

■ 20.2093, 20.3600,
28.8513

■ 20.2093, 20.3600,
28.8513

245.8580,
253.8574, 310.5517

■ 12.6564, 12.6570,
18.7238

■ 43.2691, 44.0199,
58.8801

■ 7.2677, 7.1928,
11.2961

■ 59.5067, 60.7457,
79.6185

■ 3.6779, 3.5830,
6.1497

■ 79.3699, 81.2477,
104.7308

■ 1.5216, 1.4431,
2.8660

103.2242,
105.9106, 134.6357

■ 0.3405, 0.2482,
1.0266

131.4347,
135.1186, 169.7517

■ 0.0000, 0.0000,
0.0000

164.3670,

169.2561, 210.4973

202.3863,
208.7076, 257.2911

■ 20.2093, 20.3600,
28.8513

■ 20.2093, 20.3600,
28.8513

■ 16.6650, 16.0895,
28.2141

■ 24.3128, 25.3045,
29.5897

■ 13.6541, 12.4615,
27.6726

■ 28.9962, 30.9477,
30.4321

■ 11.1511, 9.4456,
27.2224

■ 34.2817, 37.3162,
31.3828

■ 9.1282, 7.0081,
26.8585

■ 40.1894, 44.4345,
32.4454

■ 7.5546, 5.1121,
26.5755

■ 46.7387, 52.3259,
33.6234

■ 6.3961, 3.7162,
26.3671

■ 53.9481, 61.0127,
34.9202

■ 5.6136, 2.7732,
26.2263

■ 61.8354, 70.5162,
36.3388

■ 5.1591, 2.2255,
26.1445

■ 70.4176, 80.8571,
37.8825

■ 4.9580, 1.9833,
26.1084

■ 79.7113, 92.0552,
39.5541

Harmonies

Analogous

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



19.0197, 20.3600, 29.3218



20.2093, 20.3600, 28.8513



21.2058, 20.3600, 26.5002

Triad

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



20.2093, 20.3600, 28.8513



20.8102, 20.3600, 17.4077



17.1703, 20.3600, 21.2264

Complementary

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



20.2093, 20.3600, 28.8513



24.7256, 26.9148, 22.6314

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.



17.6087, 20.3600, 18.3367



20.2093, 20.3600, 28.8513



19.6873, 20.3600, 16.2850

Square

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



20.2093, 20.3600, 28.8513



21.5625, 20.3600, 19.8346



18.5185, 20.3600, 16.6067



17.2972, 20.3600, 24.6788

Rectangle

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



20.2093, 20.3600, 28.8513



21.6106, 20.3600, 24.3033



18.5185, 20.3600, 16.6067



17.2557, 20.3600, 20.1627

Sweetspot

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



20.2099, 20.3608, 28.8518



43.4618, 45.2218, 52.9760



22.9240, 25.8293, 29.6320



9.8422, 10.2202, 12.1262



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.



20.2099, 20.3608, 28.8518



33.9408, 33.7496, 51.2635



21.6617, 21.1092, 28.9197



5.1296, 5.2550, 6.7727



4.3838, 1.7536, 23.0845



0.0419, 0.0168, 0.2207

Inverse Universe

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



21.9863, 21.4362, 21.7185



37.8001, 36.0860, 35.7661



23.1236, 26.0891, 22.5565



5.4089, 5.4241, 5.6513



10.0159, 5.1634, 0.4689



0.0958, 0.0494, 0.0045

Previews

White Background



This preview shows how the XYZ color 20.2093, 20.3600, 28.8513 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 20.2093, 20.3600, 28.8513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

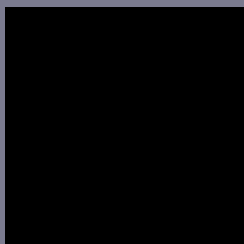
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2093, 20.3600, 28.8513

Background



This preview shows how black text looks on a background with the XYZ color 20.2093, 20.3600, 28.8513.



This preview shows how white text looks on a background with the XYZ color 20.2093, 20.3600,

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

20.2093, 20.3600, 28.8513

Protanopia

20.0507, 20.4634, 28.8796

Deuteranopia

20.6974, 20.2471, 28.8038



Tritanopia

19.3959, 20.2015, 25.4313

Trichromacy



Original Color

20.2093, 20.3600, 28.8513

Protanomaly

20.1916, 20.5360, 28.8862

Deuteranomaly

20.5216, 20.3379, 28.8306

Tritanomaly

19.7490, 20.3590, 26.5557

Monochromacy



Original Color

20.2093, 20.3600, 28.8513

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.6847, 20.3663, 24.7234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2093, 20.3600, 28.8513 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(123, 123, 143)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 143)  
}
```

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(123, 123, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 143) }
```

Border

The CSS property to change the border of an element to XYZ 20.2093, 20.3600, 28.8513 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(123, 123, 143) }
```


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

```
.border{ border-color:rgb(123, 123, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 123, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 143);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2093, 20.3600, 28.8513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 143) }
```

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

```
.background{ background-color: rgb(123,  
123, 143) }
```

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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