

Converting Colors

XYZ(20.1980, 20.7360, 23.3031)

Have a look what the booklet for
XYZ(20.1980, 20.7360, 23.3031)
contains.

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Color

**XYZ(20.1572, 20.6409,
23.3438)**

Conversions

Conversions Part 1

Format	Color
Hex	817C80
RGB	129, 124, 128
RGB Percent	51%, 49%, 50%
CMY	0.4941, 0.5137, 0.4980
CMYK	0.00, 0.04, 0.01, 0.49
HSL	312°, 2%, 50%
HSV	312°, 4%, 51%
XYZ	20.1572, 20.6409, 23.3438
YIQ	125.9510, 1.6960, 2.3040

Conversions

Conversions Part 2

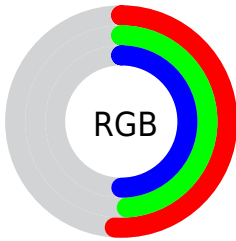
Format	Color
RYB	129, 124, 128
Decimal	8486016
CIELab	52.55, 2.68, -1.50
CIELCh	53, 3.074, 330.685
Yxy	20.6409, 0.3143, 0.3218
Android (android.graphics.Color)	4286676096 (0xFF817C80)
YUV	125.9510, 1.0102, 2.6740
Hunter-Lab	45.4323, -0.3103, 1.3385

Details

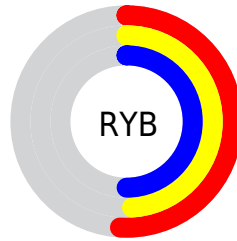
The XYZ color **20.1572, 20.6409, 23.3438** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.8649, 21.4668, 22.4996**, and the grayscale version is **19.8113, 20.8430, 22.6980**.

A 20% lighter version of the original color is **43.1572, 44.3319, 49.9984**, and **7.2356, 7.3021, 8.4252** is the 20% darker color. If you saturate the color by 10%, you get **18.4776, 17.5500, 21.9565**, and if you desaturate by 10%, it is **22.0538, 24.1584, 24.8252**.

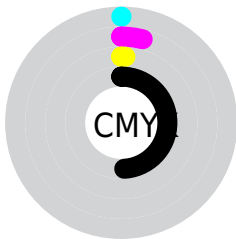
Distribution



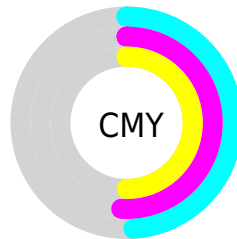
- Red (51%)
- Green (49%)
- Blue (50%)



- Red (51%)
- Yellow (49%)
- Blue (50%)



- Cyan (0%)
- Magenta (4%)
- Yellow (1%)
- Black (49%)



- Cyan (49%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1572, 20.6409, 23.3438 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 20.1572, 20.6409, 23.3438 by changing the saturation by 10% instead.

■ 20.1572, 20.6409,
23.3438

■ 20.1572, 20.6409,
23.3438

245.5822,
255.3639, 282.6649

■ 12.6183, 12.8618,
14.6399

■ 43.1825, 44.4891,
49.8876

■ 7.2414, 7.3334,
8.4232

■ 59.3996, 61.3270,
68.5645

■ 3.6612, 3.6715,
4.2753

■ 79.2402, 81.9532,
91.4029

■ 1.5123, 1.4915,
1.7776

103.0696,
106.7523, 118.8212

■ 0.3342, 0.2828,
0.4131

131.2531,
136.1084, 151.2380

■ 0.0000, 0.0000,
0.0000

164.1562,

170.4062, 189.0719

202.1441,
210.0298, 232.7413

■ 20.1572, 20.6409,
23.3438

■ 20.1572, 20.6409,
23.3438

■ 18.4776, 17.5500,
21.9565

■ 22.0538, 24.1584,
24.8252

■ 17.0052, 14.8666,
20.6592

■ 24.1733, 28.1151,
26.4022

■ 15.7316, 12.5743,
19.4492

■ 26.5238, 32.5267,
28.0778

■ 14.6477, 10.6545,
18.3233

■ 29.1122, 37.4070,
29.8545

■ 13.7433, 9.0870,
17.2779

■ 31.9452, 42.7695,
31.7347

■ 13.0074, 7.8499,
16.3093

■ 35.0293, 48.6269,
33.7206

■ 12.4278, 6.9186,
15.4130

■ 38.3706, 54.9917,
35.8145

■ 11.9903, 6.2652,
14.5844

■ 41.9752, 61.8757,
38.0186

■ 11.6772, 5.8540,
13.8172

■ 45.8489, 69.2905,
40.3349

Harmonies

Analogous

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



19.9326, 20.6409, 24.0162



20.1572, 20.6409, 23.3438



20.2371, 20.6409, 22.4535

Triad

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



20.1572, 20.6409, 23.3438



19.6112, 20.6409, 20.7665



19.0968, 20.6409, 23.3811

Complementary

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



20.1572, 20.6409, 23.3438



19.8649, 21.4668, 22.4996

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.



19.0128, 20.6409, 22.4954



20.1572, 20.6409, 23.3438



19.3078, 20.6409, 21.0001

Square

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



20.1572, 20.6409, 23.3438



19.9198, 20.6409, 20.9801



19.0896, 20.6409, 21.6269



19.3204, 20.6409, 24.0381

Rectangle

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



20.1572, 20.6409, 23.3438



20.1969, 20.6409, 21.8608



19.0896, 20.6409, 21.6269



19.0514, 20.6409, 23.0994

Sweetspot

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



20.1578, 20.6418, 23.3442



37.0255, 38.6809, 42.5425



19.6284, 20.3612, 23.6648



8.3860, 8.7654, 9.6336



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



20.1578, 20.6418, 23.3442



35.7029, 36.2354, 41.4859



19.9953, 20.5768, 22.4886



4.6068, 4.6642, 5.3579



11.2248, 5.5096, 13.0392



0.0000, 0.0000, 0.0000

Inverse Universe

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



20.1578, 20.6418, 23.3442



35.7029, 36.2354, 41.4859



20.0266, 21.5315, 23.3510



4.6068, 4.6642, 5.3579



11.2248, 5.5096, 13.0392



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.1572, 20.6409, 23.3438 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 20.1572, 20.6409, 23.3438 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

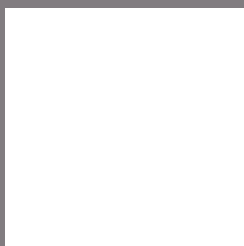
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1572, 20.6409, 23.3438

Background



This preview shows how black text looks on a background with the XYZ color 20.1572, 20.6409, 23.3438.



This preview shows how white text looks on a background with the XYZ color 20.1572, 20.6409,

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

20.1572, 20.6409, 23.3438

Protanopia

19.9823, 20.7378, 23.3717

Deuteranopia

21.0092, 20.7118, 23.3126



Tritanopia

20.5225, 20.6052, 25.0858

Trichromacy

**Original Color**

20.1572, 20.6409, 23.3438

Protanomaly

20.1320, 20.8149, 23.3787

Deuteranomaly

20.6521, 20.7110, 23.3312

Tritanomaly

20.3856, 20.5504, 24.3649

Monochromacy

**Original Color**

20.1572, 20.6409, 23.3438

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.9168, 20.7116, 23.0267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1572, 20.6409, 23.3438 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(129, 124, 128)` looks like.

```
.text, #text, p{  
    color:rgb(129, 124, 128)  
}
```

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(129, 124, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 124, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.1572, 20.6409, 23.3438 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(129, 124, 128) }
```


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

```
.border{ border-color:rgb(129, 124, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 124, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 124, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 124, 128);  
box-shadow:4px 4px 4px 4px rgb(129, 124,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1572, 20.6409, 23.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 124, 128) }
```

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

```
.background{ background-color: rgb(129,  
124, 128) }
```

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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