

Converting Colors

XYZ(20.4735, 21.2515, 23.5142)

Have a look what the booklet for
XYZ(20.4735, 21.2515, 23.5142)
contains.

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Color

**XYZ(20.4104, 21.1473,
23.4282)**

Conversions

Conversions Part 1

Format	Color
Hex	817E80
RGB	129, 126, 128
RGB Percent	51%, 49%, 50%
CMY	0.4941, 0.5059, 0.4980
CMYK	0.00, 0.02, 0.01, 0.49
HSL	320°, 1%, 50%
HSV	320°, 2%, 51%
XYZ	20.4104, 21.1473, 23.4282
YIQ	127.1250, 1.1460, 1.2580

Conversions

Conversions Part 2

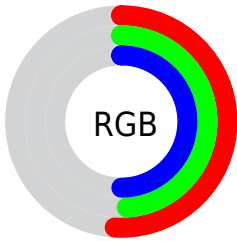
Format	Color
RYB	129, 126, 128
Decimal	8486528
CIELab	53.11, 1.53, -0.69
CIELCh	53, 1.675, 335.669
Yxy	21.1473, 0.3141, 0.3254
Android (android.graphics.Color)	4286676608 (0xFF817E80)
YUV	127.1250, 0.4314, 1.6444
Hunter-Lab	45.9862, -1.2508, 1.9844

Details

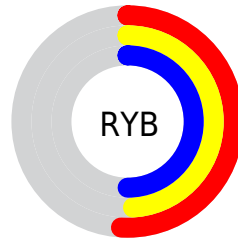
The XYZ color **20.4104, 21.1473, 23.4282** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.2860, 21.6690, 23.1931**, and the grayscale version is **20.2145, 21.2672, 23.1600**.

A 20% lighter version of the original color is **43.7520, 45.5215, 50.1966**, and **7.3734, 7.5777, 8.4712** is the 20% darker color. If you saturate the color by 10%, you get **18.5890, 17.9480, 21.4534**, and if you desaturate by 10%, it is **22.4577, 24.7787, 25.5381**.

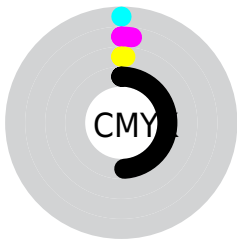
Distribution



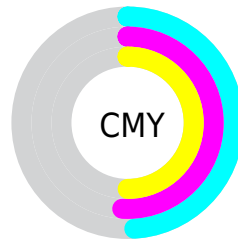
- Red (51%)
- Green (49%)
- Blue (50%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4104, 21.1473, 23.4282 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 20.4104, 21.1473, 23.4282 by changing the saturation by 10% instead.

■ 20.4104, 21.1473,
23.4282

■ 20.4104, 21.1473,
23.4282

246.9197,
258.0603, 283.1096

■ 12.8037, 13.2317,
14.7017

■ 43.6029, 45.3326,
50.0276

■ 7.3696, 7.5883,
8.4660

■ 59.9194, 62.3710,
68.7375

■ 3.7427, 3.8327,
4.3026

■ 79.8699, 83.2192,
91.6124

■ 1.5576, 1.5804,
1.7927

103.8198,
108.2616, 119.0708

■ 0.3645, 0.3443,
0.4232

132.1343,
137.8825, 151.5311

■ 0.0000, 0.0000,
0.0000

165.1789,

172.4663, 189.4120

203.3189,
212.3974, 233.1320

■ 20.4104, 21.1473,
23.4282

■ 20.4104, 21.1473,
23.4282

■ 18.5890, 17.9480,
21.4534

■ 22.4577, 24.7787,
25.5381

■ 16.9836, 15.1619,
19.6088

■ 24.7369, 28.8547,
27.7851

■ 15.5860, 12.7726,
17.8913

■ 27.2561, 33.3910,
30.1727

■ 14.3868, 10.7617,
16.2971

■ 30.0223, 38.4013,
32.7041

■ 13.3760, 9.1093,
14.8219

■ 33.0422, 43.8990,
35.3820

■ 12.5425, 7.7937,
13.4613

■ 36.3224, 49.8970,
38.2095

■ 11.8743, 6.7906,
12.2105

■ 39.8692, 56.4075,
41.1892

■ 11.3574, 6.0728,
11.0640

■ 43.6886, 63.4425,
44.3237

■ 10.9756, 5.6081,
10.0157

■ 47.7864, 71.0133,
47.6157

Harmonies

Analogous

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



20.2982, 21.1473, 23.8237



20.4104, 21.1473, 23.4282



20.4392, 21.1473, 22.9300

Triad

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



20.4104, 21.1473, 23.4282



20.0664, 21.1473, 22.0730



19.8257, 21.1473, 23.5967

Complementary

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



20.4104, 21.1473, 23.4282



20.2860, 21.6690, 23.1931

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.



19.7644, 21.1473, 23.1219



20.4104, 21.1473, 23.4282



19.9028, 21.1473, 22.2459

Square

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



20.4104, 21.1473, 23.4282



20.2399, 21.1473, 22.1523



19.7925, 21.1473, 22.6281



19.9605, 21.1473, 23.9220

Rectangle

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



20.4104, 21.1473, 23.4282



20.4070, 21.1473, 22.6077



19.7925, 21.1473, 22.6281



19.7958, 21.1473, 23.4490

Sweetspot

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



20.4110, 21.1482, 23.4287



37.0046, 38.6725, 42.4324



20.1765, 21.0197, 23.7630



8.3816, 8.7636, 9.6105



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.



20.4110, 21.1482, 23.4287



36.2938, 37.4172, 41.6827



20.3131, 21.1090, 22.9130



4.6720, 4.7983, 5.3678



10.4656, 5.2059, 9.0415



0.0000, 0.0000, 0.0000

Inverse Universe

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



20.4110, 21.1482, 23.4287



36.2938, 37.4172, 41.6827



20.3844, 21.7084, 23.7113



4.6720, 4.7983, 5.3678



10.4656, 5.2059, 9.0415



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.4104, 21.1473, 23.4282 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 20.4104, 21.1473, 23.4282 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

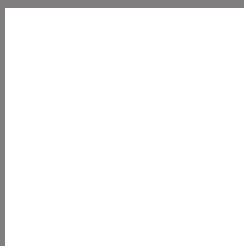
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4104, 21.1473, 23.4282

Background



This preview shows how black text looks on a background with the XYZ color 20.4104, 21.1473, 23.4282.



This preview shows how white text looks on a background with the XYZ color 20.4104, 21.1473,

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

20.4104, 21.1473, 23.4282

Protanopia

20.4104, 21.1473, 23.4282

Deuteranopia

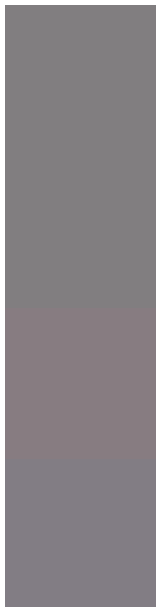
21.5266, 21.1542, 23.7175



Tritanopia

20.9127, 21.1623, 25.9042

Trichromacy



Original Color

20.4104, 21.1473, 23.4282

Protanomaly

20.4104, 21.1473, 23.4282

Deuteranomaly

21.1618, 21.1512, 23.7361

Tritanomaly

20.7044, 21.0790, 24.8072

Monochromacy



Original Color

20.4104, 21.1473, 23.4282

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.3222, 21.3002, 23.1189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4104, 21.1473, 23.4282 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, 126, 128)` looks like.

```
.text, #text, p{  
    color:rgb(129, 126, 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, 126, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 126, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.4104, 21.1473, 23.4282 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, 126, 128) }
```


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

```
.border{ border-color:rgb(129, 126, 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, 126, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 126, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 126, 128);  
box-shadow:4px 4px 4px 4px rgb(129, 126,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4104, 21.1473, 23.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 126, 128) }
```

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

```
.background{ background-color: rgb(129,  
126, 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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