

Converting Colors

XYZ(22.1665, 23.6022, 20.1479)

Have a look what the booklet for
XYZ(22.1665, 23.6022, 20.1479)
contains.

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Color

**XYZ(22.0796, 23.4627,
20.1947)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8575
RGB	138, 133, 117
RGB Percent	54%, 52%, 46%
CMY	0.4588, 0.4784, 0.5412
CMYK	0.00, 0.04, 0.15, 0.46
HSL	46°, 8%, 50%
HSV	46°, 15%, 54%
XYZ	22.0796, 23.4627, 20.1947
YIQ	132.6710, 8.1160, -3.9160

Conversions

Conversions Part 2

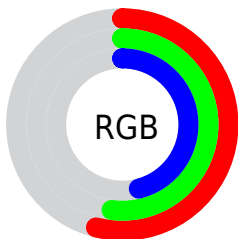
Format	Color
RYB	124, 138, 117
Decimal	9078133
CIELab	55.55, -1.02, 9.30
CIElCh	56, 9.354, 96.273
Yxy	23.4627, 0.3359, 0.3569
Android (android.graphics.Color)	4287268213 (0xFF8A8575)
YUV	132.6710, -7.7258, 4.6735
Hunter-Lab	48.4383, -3.4015, 9.1879

Details

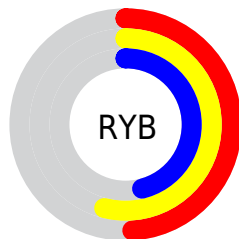
The XYZ color **22.0796, 23.4627, 20.1947** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.8830, 19.5354, 26.8202**, and the grayscale version is **22.2004, 23.3565, 25.4353**.

A 20% lighter version of the original color is **46.4586, 49.1889, 44.5819**, and **8.2690, 8.8450, 6.9017** is the 20% darker color. If you saturate the color by 10%, you get **20.8850, 22.2775, 16.0842**, and if you desaturate by 10%, it is **23.4092, 24.7259, 24.9409**.

Distribution



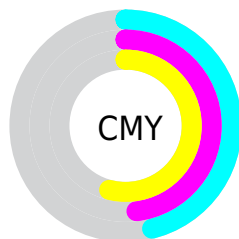
- Red (54%)
- Green (52%)
- Blue (46%)



- Red (49%)
- Yellow (54%)
- Blue (46%)



- Cyan (0%)
- Magenta (4%)
- Yellow (15%)
- Black (46%)



- Cyan (46%)
- Magenta (48%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0796, 23.4627, 20.1947 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 22.0796, 23.4627, 20.1947 by changing the saturation by 10% instead.

■ 22.0796, 23.4627,
20.1947

■ 22.0796, 23.4627,
20.1947

255.5862,
270.0927, 265.6062

■ 14.0323, 14.9355,
12.3512

■ 46.3554, 49.1520,
44.6066

■ 8.2250, 8.7742,
6.8579

■ 63.3146, 67.0829,
62.0121

■ 4.2923, 4.5942,
3.2963

■ 83.9752, 88.9171,
83.4420

■ 1.8688, 2.0112,
1.2478

108.7026,
115.0391, 109.3148

■ 0.5586, 0.6140,
0.0185

137.8620,
145.8333, 140.0491

■ 0.0000, 0.0000,
0.0000

171.8188,

181.6840, 176.0634

210.9385,
222.9757, 217.7763

■ 22.0796, 23.4627,
20.1947

■ 22.0796, 23.4627,
20.1947

■ 20.8850, 22.2775,
16.0842

■ 23.4092, 24.7259,
24.9409

■ 19.8181, 21.1650,
12.5805

■ 24.8768, 26.0663,
30.3473

■ 18.8739, 20.1235,
9.6545

■ 26.4880, 27.4869,
36.4386

■ 18.0461, 19.1506,
7.2742

■ 28.2471, 28.9898,
43.2379

■ 17.3280, 18.2431,
5.4044

■ 30.1585, 30.5769,
50.7675

■ 16.7119, 17.3979,
4.0060

■ 32.2263, 32.2500,
59.0482

■ 16.1891, 16.6113,
3.0337

■ 34.4544, 34.0108,
68.1004

■ 15.7476, 15.8782,
2.4244

■ 36.8467, 35.8612,
77.9436

■ 15.5497, 15.5402,
2.1800

■ 39.4068, 37.8028,
88.5965

Harmonies

Analogous

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



23.1271, 23.4627, 20.5874



22.0796, 23.4627, 20.1947



21.1215, 23.4627, 21.1422

Triad

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



22.0796, 23.4627, 20.1947



20.7043, 23.4627, 29.1417



24.2103, 23.4627, 27.9574

Complementary

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



22.0796, 23.4627, 20.1947



18.8830, 19.5354, 26.8202

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.



23.5228, 23.4627, 30.5244



22.0796, 23.4627, 20.1947



21.4940, 23.4627, 31.2450

Square

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



22.0796, 23.4627, 20.1947



20.3438, 23.4627, 26.1872



22.5231, 23.4627, 31.7699



24.3791, 23.4627, 24.9171

Rectangle

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



22.0796, 23.4627, 20.1947



20.6551, 23.4627, 22.4541



22.5231, 23.4627, 31.7699



24.0312, 23.4627, 28.9114

Sweetspot

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



22.0802, 23.4637, 20.1952



41.2898, 43.6090, 44.0609



20.3711, 19.5375, 21.1914



9.2277, 9.7502, 9.7616



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



22.0802, 23.4637, 20.1952



38.2278, 40.6823, 33.1829



21.9329, 24.4276, 20.3890



5.3319, 5.6467, 5.3613



14.2684, 14.2712, 2.0026



0.1060, 0.1173, 0.0170

Inverse Universe

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



18.8830, 19.5354, 26.8202



31.5642, 32.4955, 46.9918



19.0105, 18.7138, 26.6549



4.8650, 5.0730, 6.3286



4.7105, 2.6914, 22.3169



0.0411, 0.0375, 0.1515

Previews

White Background



This preview shows how the XYZ color 22.0796, 23.4627, 20.1947 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 22.0796, 23.4627, 20.1947 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

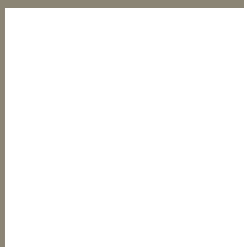
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0796, 23.4627, 20.1947

Background



This preview shows how black text looks on a background with the XYZ color 22.0796, 23.4627, 20.1947.



This preview shows how white text looks on a background with the XYZ color 22.0796, 23.4627,

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

22.0796, 23.4627, 20.1947

Protanopia

22.2459, 23.5484, 20.2024

Deuteranopia

23.7517, 23.3257, 20.3900



Tritanopia

23.7008, 23.5214, 28.1019

Trichromacy



Original Color

22.0796, 23.4627, 20.1947

Protanomaly

22.2459, 23.5484, 20.2024

Deuteranomaly

23.1067, 23.3843, 20.4353

Tritanomaly

23.0964, 23.4740, 25.1434

Monochromacy



Original Color

22.0796, 23.4627, 20.1947

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.2100, 23.4583, 23.4360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0796, 23.4627, 20.1947 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(138, 133, 117)` looks like.

```
.text, #text, p{  
    color:rgb(138, 133, 117)  
}
```

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(138, 133, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 133, 117) }
```

Border

The CSS property to change the border of an element to XYZ 22.0796, 23.4627, 20.1947 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(138, 133, 117) }
```


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

```
.border{ border-color:rgb(138, 133, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 133, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 133, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 133, 117);  
box-shadow:4px 4px 4px 4px rgb(138, 133,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0796, 23.4627, 20.1947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 133, 117) }
```

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

```
.background{ background-color: rgb(138,  
133, 117) }
```

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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