

Converting Colors

XYZ(21.7776, 22.5460, 19.9469)

Have a look what the booklet for
XYZ(21.7776, 22.5460, 19.9469)
contains.

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Color

**XYZ(21.7086, 22.4738,
20.0233)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8175
RGB	139, 129, 117
RGB Percent	55%, 51%, 46%
CMY	0.4549, 0.4941, 0.5412
CMYK	0.00, 0.07, 0.16, 0.45
HSL	33°, 9%, 50%
HSV	33°, 16%, 55%
XYZ	21.7086, 22.4738, 20.0233
YIQ	130.6220, 9.8120, -1.6120

Conversions

Conversions Part 2

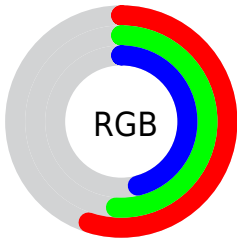
Format	Color
R_{YB}	135, 139, 117
Decimal	9142645
CIE Lab	54.53, 1.64, 7.86
CIE LCh	55, 8.033, 78.208
Yxy	22.4738, 0.3381, 0.3500
Android (android.graphics.Color)	4287332725 (0xFF8B8175)
YUV	130.6220, -6.7156, 7.3475
Hunter-Lab	47.4065, -1.2220, 8.1420

Details

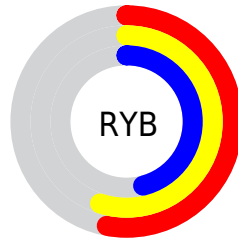
The XYZ color **21.7086, 22.4738, 20.0233** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.5856, 20.8244, 27.4136**, and the grayscale version is **21.4599, 22.5774, 24.5868**.

A 20% lighter version of the original color is **45.8817, 47.6579, 44.3168**, and **8.0627, 8.2908, 6.8056** is the 20% darker color. If you saturate the color by 10%, you get **20.1450, 20.5587, 15.7650**, and if you desaturate by 10%, it is **23.4463, 24.5424, 24.9390**.

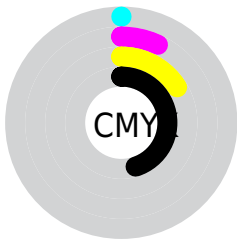
Distribution



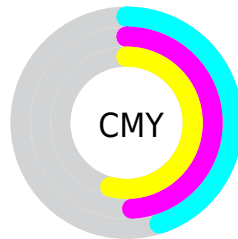
- Red (55%)
- Green (51%)
- Blue (46%)



- Red (53%)
- Yellow (55%)
- Blue (46%)



- Cyan (0%)
- Magenta (7%)
- Yellow (16%)
- Black (45%)



- Cyan (45%)
- Magenta (49%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7086, 22.4738, 20.0233 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 21.7086, 22.4738, 20.0233 by changing the saturation by 10% instead.

■ 21.7086, 22.4738,
20.0233

■ 21.7086, 22.4738,
20.0233

253.6818,
265.0107, 264.6496

■ 13.7583, 14.2055,
12.2277

■ 45.7464, 47.5278,
44.3157

■ 8.0334, 8.2637,
6.7746

■ 62.5646, 65.0823,
61.6497

■ 4.1683, 4.2641,
3.2452

■ 83.0695, 86.5010,
83.0002

■ 1.7978, 1.8224,
1.2212

107.6264,
112.1682, 108.7857

■ 0.5163, 0.5011,
0.0000

136.6007,
142.4684, 139.4249

■ 0.0000, 0.0000,
0.0000

170.3579,

177.7860, 175.3363

209.2631,
218.5052, 216.9383

■ 21.7086, 22.4738,
20.0233

■ 21.7086, 22.4738,
20.0233

■ 20.1450, 20.5587,
15.7650

■ 23.4463, 24.5424,
24.9390

■ 18.7473, 18.7900,
12.1342

■ 25.3621, 26.7652,
30.5372

■ 17.5096, 17.1646,
9.1009

■ 27.4622, 29.1470,
36.8436

■ 16.4246, 15.6781,
6.6322

■ 29.7520, 31.6911,
43.8820

■ 15.4845, 14.3256,
4.6916

■ 32.2366, 34.4009,
51.6752

■ 14.6805, 13.1022,
3.2386

■ 34.9208, 37.2798,
60.2450

■ 14.0030, 12.0020,
2.2265

■ 37.8094, 40.3308,
69.6122

■ 13.4373, 11.0177,
1.5850

■ 40.9069, 43.5571,
79.7968

■ 13.2206, 10.6352,
1.3560

■ 44.2177, 46.9616,
90.8183

Harmonies

Analogous

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



22.5092, 22.4738, 21.0296



21.7086, 22.4738, 20.0233



20.8359, 22.4738, 20.1464

Triad

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



21.7086, 22.4738, 20.0233



19.7922, 22.4738, 26.0170



22.6482, 22.4738, 27.8464

Complementary

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



21.7086, 22.4738, 20.0233



19.5856, 20.8244, 27.4136

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.



21.8942, 22.4738, 29.3720



21.7086, 22.4738, 20.0233



20.2519, 22.4738, 28.2668

Square

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



21.7086, 22.4738, 20.0233



19.7456, 22.4738, 23.4924



21.0165, 22.4738, 29.5310



23.0615, 22.4738, 25.4747

Rectangle

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



21.7086, 22.4738, 20.0233



20.3303, 22.4738, 20.8539



21.0165, 22.4738, 29.5310



22.4252, 22.4738, 28.4820

Sweetspot

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



21.7092, 22.4748, 20.0238



42.2235, 44.2274, 45.3398



20.8572, 19.7511, 22.8832



9.6823, 10.1359, 10.3120



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.7092, 22.4748, 20.0238



37.8375, 38.9867, 32.9911



22.9692, 25.1759, 20.4787



5.2441, 5.4711, 5.3320



11.9494, 9.6332, 1.2296



0.0940, 0.0933, 0.0131

Inverse Universe

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



19.5856, 20.8244, 27.4136



33.2858, 35.4494, 48.8310



18.4568, 18.4199, 27.0090



4.9496, 5.2422, 6.3568



5.8354, 4.9411, 22.6919



0.0531, 0.0615, 0.1555

Previews

White Background



This preview shows how the XYZ color 21.7086, 22.4738, 20.0233 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 21.7086, 22.4738, 20.0233 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 21.7086, 22.4738, 20.0233

Background



This preview shows how black text looks on a background with the XYZ color 21.7086, 22.4738, 20.0233.



This preview shows how white text looks on a background with the XYZ color 21.7086, 22.4738,

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

21.7086, 22.4738, 20.0233

Protanopia

21.4060, 22.5075, 20.3557

Deuteranopia

22.9436, 22.5256, 20.2782



Tritanopia

23.0601, 22.4501, 26.4104

Trichromacy



Original Color

21.7086, 22.4738, 20.0233

Protanomaly

21.5692, 22.5916, 20.3633

Deuteranomaly

22.5364, 22.5065, 20.2959

Tritanomaly

22.5363, 22.4264, 23.9098

Monochromacy



Original Color

21.7086, 22.4738, 20.0233

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.5800, 22.5400, 22.9519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7086, 22.4738, 20.0233 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(139, 129, 117)` looks like.

```
.text, #text, p{  
    color:rgb(139, 129, 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(139, 129, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 129, 117) }
```

Border

The CSS property to change the border of an element to XYZ 21.7086, 22.4738, 20.0233 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(139, 129, 117) }
```


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

```
.border{ border-color:rgb(139, 129, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 129, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 129, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 129, 117);  
box-shadow:4px 4px 4px 4px rgb(139, 129,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7086, 22.4738, 20.0233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 129, 117) }
```

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

```
.background{ background-color: rgb(139,  
129, 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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