

Converting Colors

XYZ(20.8004, 21.3917, 13.5827)

Have a look what the booklet for
XYZ(20.8004, 21.3917, 13.5827)
contains.

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Color

**XYZ(20.8556, 21.4047,
13.6220)**

Conversions

Conversions Part 1

Format	Color
Hex	907D5E
RGB	144, 125, 94
RGB Percent	56%, 49%, 37%
CMY	0.4353, 0.5098, 0.6314
CMYK	0.00, 0.13, 0.35, 0.44
HSL	37°, 21%, 47%
HSV	37°, 35%, 56%
XYZ	20.8556, 21.4047, 13.6220
YIQ	127.1470, 21.2750, -5.6130

Conversions

Conversions Part 2

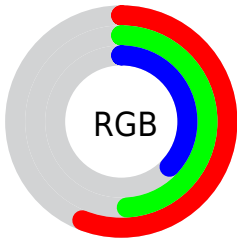
Format	Color
RYB	125, 144, 94
Decimal	9469278
CIELab	53.39, 2.48, 19.61
CIElCh	53, 19.765, 82.781
Yxy	21.4047, 0.3732, 0.3830
Android (android.graphics.Color)	4287659358 (0xFF907D5E)
YUV	127.1470, -16.3415, 14.7801
Hunter-Lab	46.2652, -0.4992, 14.9287

Details

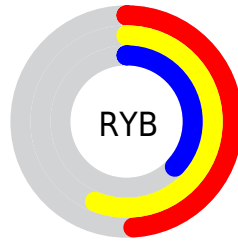
The XYZ color **20.8556, 21.4047, 13.6220** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.5551, 16.2030, 28.6932**, and the grayscale version is **20.2731, 21.3289, 23.2271**.

A 20% lighter version of the original color is **44.5844, 46.0272, 33.3224**, and **7.6321, 7.7094, 3.8821** is the 20% darker color. If you saturate the color by 10%, you get **19.5953, 19.8235, 10.3059**, and if you desaturate by 10%, it is **22.2757, 23.1125, 17.5867**.

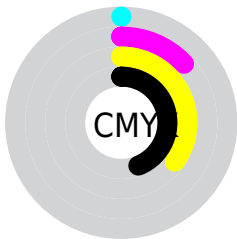
Distribution



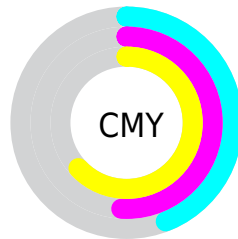
- Red (56%)
- Green (49%)
- Blue (37%)



- Red (49%)
- Yellow (56%)
- Blue (37%)



- Cyan (0%)
- Magenta (13%)
- Yellow (35%)
- Black (44%)



- Cyan (44%)
- Magenta (51%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8556, 21.4047, 13.6220 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 20.8556, 21.4047, 13.6220 by changing the saturation by 10% instead.

■ 20.8556, 21.4047,
13.6220

■ 20.8556, 21.4047,
13.6220

249.2564,
259.4215, 226.2125

■ 13.1304, 13.4201,
7.7225

■ 44.3402, 45.7601,
33.1242

■ 7.5960, 7.7185,
3.8327

■ 60.8302, 62.8997,
47.5640

■ 3.8872, 3.9154,
1.5340

■ 80.9726, 83.8599,
65.6877

■ 1.6385, 1.6263,
0.2431

■ 105.1326,
109.0249, 87.9137

■ 0.4173, 0.3752,
0.0000

133.6756,
138.7791, 114.6606

■ 0.0000, 0.0000,
0.0000

166.9670,

173.5071, 146.3471

205.3721,
213.5930, 183.3915

■ 20.8556, 21.4047,
13.6220

■ 20.8556, 21.4047,
13.6220

■ 19.5953, 19.8235,
10.3059

■ 22.2757, 23.1125,
17.5867

■ 18.4859, 18.3619,
7.6015

■ 23.8609, 24.9475,
22.2315

■ 17.5199, 17.0167,
5.4702

■ 25.6179, 26.9142,
27.5874

■ 16.6884, 15.7835,
3.8683

■ 27.5528, 29.0158,
33.6832

■ 15.9813, 14.6570,
2.7459

■ 29.6712, 31.2557,
40.5461

■ 15.3858, 13.6311,
2.0384

■ 31.9786, 33.6367,
48.2017

■ 15.0982, 13.1224,
1.7371

■ 34.4802, 36.1618,
56.6746

■ 37.1807, 38.8339,
65.9884

■ 40.0851, 41.6556,
76.1654

Harmonies

Analogous

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



22.8830, 21.4047, 15.2646



20.8556, 21.4047, 13.6220



18.8224, 21.4047, 14.1958

Triad

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



20.8556, 21.4047, 13.6220



16.8478, 21.4047, 28.0711



23.7284, 21.4047, 31.0145

Complementary

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



20.8556, 21.4047, 13.6220



15.5551, 16.2030, 28.6932

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.



21.9466, 21.4047, 35.6609



20.8556, 21.4047, 13.6220



18.0011, 21.4047, 33.7680

Square

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



20.8556, 21.4047, 13.6220



16.5997, 21.4047, 21.8844



19.8419, 21.4047, 36.7467



24.6140, 21.4047, 24.7880

Rectangle

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



20.8556, 21.4047, 13.6220



17.7262, 21.4047, 15.8144



19.8419, 21.4047, 36.7467



23.2088, 21.4047, 32.8538

Sweetspot

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



20.8561, 21.4057, 13.6224



43.4464, 45.5391, 43.3191



18.4945, 15.1309, 17.6181



9.8747, 10.3437, 9.6654



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.



20.8561, 21.4057, 13.6224



34.9546, 35.4668, 19.1816



22.5025, 26.1722, 14.4557



5.6697, 5.9458, 5.7382



13.1708, 11.4733, 1.5204



0.1472, 0.1523, 0.0216

Inverse Universe

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



15.5551, 16.2030, 28.6932



24.1006, 24.8204, 50.0586



14.2741, 12.7191, 28.0883



5.2870, 5.5699, 6.8252



5.5828, 4.1516, 23.4842



0.0735, 0.0799, 0.2312

Previews

White Background



This preview shows how the XYZ color 20.8556, 21.4047, 13.6220 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 20.8556, 21.4047, 13.6220 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 20.8556, 21.4047, 13.6220

Background



This preview shows how black text looks on a background with the XYZ color 20.8556, 21.4047, 13.6220.



This preview shows how white text looks on a background with the XYZ color 20.8556, 21.4047,

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

20.8556, 21.4047, 13.6220

Protanopia

19.9715, 21.3233, 13.8897

Deuteranopia

21.7876, 21.3246, 13.7942



Tritanopia

22.9585, 21.3405, 24.0282

Trichromacy



Original Color

20.8556, 21.4047, 13.6220

Protanomaly

20.3416, 21.3234, 13.8702

Deuteranomaly

21.3613, 21.2880, 13.8096

Tritanomaly

22.2030, 21.4065, 19.7913

Monochromacy



Original Color

20.8556, 21.4047, 13.6220

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.2282, 21.1461, 19.2351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8556, 21.4047, 13.6220 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(144, 125, 94)` looks like.

```
.text, #text, p{  
    color:rgb(144, 125, 94)  
}
```

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(144, 125, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 125, 94) }
```

Border

The CSS property to change the border of an element to XYZ 20.8556, 21.4047, 13.6220 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(144, 125, 94) }
```


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

```
.border{ border-color:rgb(144, 125, 94) }
```

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

Here you see how a box with a 4 pixel rgb(144, 125, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 125, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 125, 94);  
box-shadow:4px 4px 4px 4px rgb(144, 125,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8556, 21.4047, 13.6220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 125, 94) }
```

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

```
.background{ background-color: rgb(144,  
125, 94) }
```

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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