

Converting Colors

XYZ(20.1458, 20.9163, 14.9673)

Have a look what the booklet for
XYZ(20.1458, 20.9163, 14.9673)
contains.

XYZ(20.2813, 21.0763, 15.0558)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.2813, 21.0763,
15.0558)**

Conversions

Conversions Part 1

Format	Color
Hex	8B7D64
RGB	139, 125, 100
RGB Percent	55%, 49%, 39%
CMY	0.4549, 0.5098, 0.6078
CMYK	0.00, 0.10, 0.28, 0.45
HSL	38°, 16%, 47%
HSV	38°, 28%, 55%
XYZ	20.2813, 21.0763, 15.0558
YIQ	126.3360, 16.3690, -4.8070

Conversions

Conversions Part 2

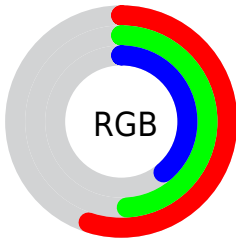
Format	Color
R_{YB}	122, 139, 100
Decimal	9141604
CIE Lab	53.03, 1.23, 15.60
CIE LCh	53, 15.649, 85.502
Yxy	21.0763, 0.3595, 0.3736
Android (android.graphics.Color)	4287331684 (0xFF8B7D64)
YUV	126.3360, -12.9836, 11.1063
Hunter-Lab	45.9089, -1.4843, 12.6921

Details

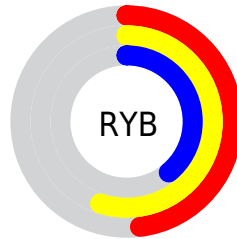
The XYZ color **20.2813, 21.0763, 15.0558** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.9329, 16.6075, 26.7919**, and the grayscale version is **19.9850, 21.0258, 22.8971**.

A 20% lighter version of the original color is **43.4986, 45.4126, 35.7510**, and **7.2515, 7.5006, 4.4337** is the 20% darker color. If you saturate the color by 10%, you get **19.0495, 19.5991, 11.6045**, and if you desaturate by 10%, it is **21.6607, 22.6648, 19.1232**.

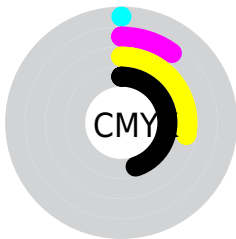
Distribution



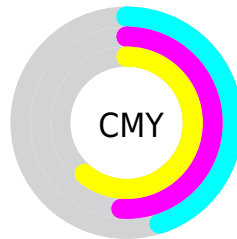
- Red (55%)
- Green (49%)
- Blue (39%)



- Red (48%)
- Yellow (55%)
- Blue (39%)



- Cyan (0%)
- Magenta (10%)
- Yellow (28%)
- Black (45%)



- Cyan (45%)
- Magenta (51%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2813, 21.0763, 15.0558 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 20.2813, 21.0763, 15.0558 by changing the saturation by 10% instead.

■ 20.2813, 21.0763,
15.0558

■ 20.2813, 21.0763,
15.0558

246.2386,
257.6837, 235.3561

■ 12.7091, 13.1798,
8.7115

■ 43.3887, 45.2145,
35.6947

■ 7.3042, 7.5525,
4.4593

■ 59.6546, 62.2249,
50.8264

■ 3.7011, 3.8099,
1.8805

■ 79.5491, 83.0422,
69.7244

■ 1.5344, 1.5678,
0.4803

■ 103.4376,
108.0506, 92.8070

■ 0.3491, 0.3358,
0.0000

131.6854,
137.6345, 120.4930

■ 0.0000, 0.0000,
0.0000

164.6580,

172.1784, 153.2008

202.7206,
212.0667, 191.3490

■ 20.2813, 21.0763,
15.0558

■ 20.2813, 21.0763,
15.0558

■ 19.0495, 19.5991,
11.6045

■ 21.6607, 22.6648,
19.1232

■ 17.9575, 18.2270,
8.7371

■ 23.1920, 24.3648,
23.8341

■ 16.9989, 16.9576,
6.4205

■ 24.8811, 26.1802,
29.2156

■ 16.1663, 15.7871,
4.6178

■ 26.7335, 28.1137,
35.2932

■ 15.4513, 14.7113,
3.2873

■ 28.7539, 30.1680,
42.0908

■ 14.8443, 13.7257,
2.3810

■ 30.9471, 32.3457,
49.6312

■ 14.3255, 12.8214,
1.7973

■ 33.3176, 34.6491,
57.9364

■ 14.2294, 12.6528,
1.6923

■ 35.8699, 37.0808,
67.0271

■ 38.6080, 39.6430,
76.9235

Harmonies

Analogous

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



21.8763, 21.0763, 16.2678



20.2813, 21.0763, 15.0558



18.7022, 21.0763, 15.7098

Triad

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



20.2813, 21.0763, 15.0558



17.3130, 21.0763, 27.0704



22.7517, 21.0763, 28.4665

Complementary

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



20.2813, 21.0763, 15.0558



15.9329, 16.6075, 26.7919

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.



21.4242, 21.0763, 32.1262



20.2813, 21.0763, 15.0558



18.2951, 21.0763, 31.2459

Square

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



20.2813, 21.0763, 15.0558



17.0438, 21.0763, 22.2459



19.7855, 21.0763, 33.2068



23.3513, 21.0763, 23.6658

Rectangle

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



20.2813, 21.0763, 15.0558



17.8615, 21.0763, 17.1710



19.7855, 21.0763, 33.2068



22.3724, 21.0763, 29.8953

Sweetspot

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



20.2818, 21.0773, 15.0562



41.4991, 43.5964, 42.5769



18.2592, 15.8253, 18.1017



9.4717, 9.9464, 9.5275



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.



20.2818, 21.0773, 15.0562



34.8181, 35.9554, 22.7134



21.3326, 24.4373, 15.6494



5.2826, 5.5480, 5.3448



12.8592, 11.4528, 1.5329



0.0993, 0.1039, 0.0148

Inverse Universe

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



15.9329, 16.6075, 26.7919



25.6326, 26.5179, 47.5105



15.0668, 13.9941, 26.3331



4.9120, 5.1670, 6.3443



5.2463, 3.7628, 22.4955



0.0478, 0.0509, 0.1538

Previews

White Background



This preview shows how the XYZ color 20.2813, 21.0763, 15.0558 looks on a white background.

Color Contrast Check

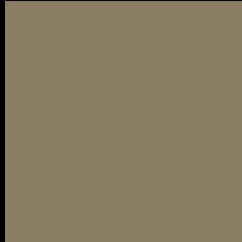
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2813, 21.0763, 15.0558 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 20.2813, 21.0763, 15.0558

Background



This preview shows how black text looks on a background with the XYZ color 20.2813, 21.0763, 15.0558.



This preview shows how white text looks on a background with the XYZ color 20.2813, 21.0763,

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

20.2813, 21.0763, 15.0558

Protanopia

19.8015, 21.0122, 15.3240

Deuteranopia

21.5212, 21.1546, 15.2609



Tritanopia

22.1943, 21.1261, 24.0271

Trichromacy



Original Color

20.2813, 21.0763, 15.0558

Protanomaly

19.9632, 21.0955, 15.3316

Deuteranomaly

21.1090, 21.1252, 15.2769

Tritanomaly

21.4446, 21.0018, 20.3763

Monochromacy



Original Color

20.2813, 21.0763, 15.0558

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0318, 21.0314, 19.8333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2813, 21.0763, 15.0558 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, 125, 100)` looks like.

```
.text, #text, p{  
    color:rgb(139, 125, 100)  
}
```

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, 125, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 125, 100) }
```

Border

The CSS property to change the border of an element to XYZ 20.2813, 21.0763, 15.0558 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, 125, 100) }
```


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

```
.border{ border-color:rgb(139, 125, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 125, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 125, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 125, 100);  
box-shadow:4px 4px 4px 4px rgb(139, 125,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2813, 21.0763, 15.0558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 125, 100) }
```

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

```
.background{ background-color: rgb(139,  
125, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor