

Converting Colors

XYZ(20.8689, 23.7722, 15.5454)

Have a look what the booklet for
XYZ(20.8689, 23.7722, 15.5454)
contains.

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Color

**XYZ(20.9188, 23.7980,
15.5475)**

Conversions

Conversions Part 1

Format	Color
Hex	858964
RGB	133, 137, 100
RGB Percent	52%, 54%, 39%
CMY	0.4784, 0.4627, 0.6078
CMYK	0.03, 0.00, 0.27, 0.46
HSL	66°, 16%, 46%
HSV	66°, 27%, 54%
XYZ	20.9188, 23.7980, 15.5475
YIQ	131.5860, 9.4930, -12.3550

Conversions

Conversions Part 2

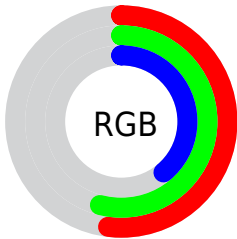
Format	Color
RYB	100, 137, 104
Decimal	8751460
CIELab	55.88, -7.97, 19.40
CIELCh	56, 20.976, 112.324
Yxy	23.7980, 0.3471, 0.3949
Android (android.graphics.Color)	4286941540 (0xFF858964)
YUV	131.5860, -15.5719, 1.2401
Hunter-Lab	48.7832, -8.8277, 15.2522

Details

The XYZ color **20.9188, 23.7980, 15.5475** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.7824, 13.8641, 25.5652**, and the grayscale version is **21.8355, 22.9727, 25.0172**.

A 20% lighter version of the original color is **44.2491, 49.5004, 36.5005**, and **7.6181, 8.9124, 4.6869** is the 20% darker color. If you saturate the color by 10%, you get **20.0786, 23.4359, 12.3331**, and if you desaturate by 10%, it is **21.8751, 24.2086, 19.3505**.

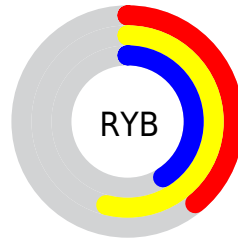
Distribution



Red (52%)

Green (54%)

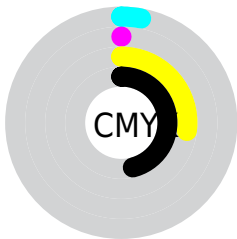
Blue (39%)



Red (39%)

Yellow (54%)

Blue (41%)

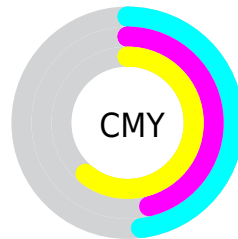


Cyan (3%)

Magenta (0%)

Yellow (27%)

Black (46%)



Cyan (48%)

Magenta (46%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9188, 23.7980, 15.5475 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 20.9188, 23.7980, 15.5475 by changing the saturation by 10% instead.

■ 20.9188, 23.7980,
15.5475

■ 20.9188, 23.7980,
15.5475

249.5865,
271.7976, 238.4104

■ 13.1768, 15.1838,
9.0537

■ 44.4447, 49.7004,
36.5666

■ 7.6282, 8.9485,
4.6789

■ 60.9592, 67.7574,
51.9290

■ 3.9078, 4.7076,
2.0047

■ 81.1286, 89.7308,
71.0846

■ 1.6501, 2.0768,
0.5582

■ 105.3183,
116.0050, 94.4520

■ 0.4247, 0.6515,
0.0000

133.8936,
146.9644, 122.4498

■ 0.0000, 0.0000,
0.0000

167.2198,

182.9933, 155.4964

205.6623,
224.4763, 194.0104

■ 20.9188, 23.7980,
15.5475

■ 20.9188, 23.7980,
15.5475

■ 20.0786, 23.4359,
12.3331

■ 21.8751, 24.2086,
19.3505

■ 19.3470, 23.1168,
9.6764

■ 22.9508, 24.6665,
23.7678

■ 18.7186, 22.8393,
7.5460

■ 24.1515, 25.1747,
28.8255

■ 18.1867, 22.6009,
5.9067

■ 25.4817, 25.7352,
34.5479

■ 17.7439, 22.3984,
4.7192

■ 26.9457, 26.3496,
40.9578

■ 17.3814, 22.2284,
3.9381

■ 28.5478, 27.0196,
48.0769

■ 17.0834, 22.0847,
3.4801

■ 30.2919, 27.7468,
55.9262

■ 16.9979, 22.0432,
3.3589

■ 32.1819, 28.5327,
64.5257

■ 34.2213, 29.3788,
73.8945

Harmonies

Analogous

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



23.2384, 23.7980, 14.9380



20.9188, 23.7980, 15.5475



19.1747, 23.7980, 18.6739

Triad

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



20.9188, 23.7980, 15.5475



19.9261, 23.7980, 37.7823



27.4843, 23.7980, 27.7093

Complementary

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



20.9188, 23.7980, 15.5475



14.7824, 13.8641, 25.5652

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.



26.4536, 23.7980, 34.8137



20.9188, 23.7980, 15.5475



22.0112, 23.7980, 41.2599

Square

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



20.9188, 23.7980, 15.5475



18.6303, 23.7980, 31.2376



24.4095, 23.7980, 40.0873



27.1405, 23.7980, 21.2289

Rectangle

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



20.9188, 23.7980, 15.5475



18.5185, 23.7980, 22.1190



24.4095, 23.7980, 40.0873



27.2847, 23.7980, 30.1155

Sweetspot

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



20.9194, 23.7991, 15.5480



40.8620, 44.0703, 41.5790



17.5378, 16.0794, 14.2362



9.1047, 9.8591, 9.0756



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.



20.9194, 23.7991, 15.5480



36.5782, 42.2369, 24.4362



18.2907, 22.4439, 15.4250



5.3787, 5.8180, 5.3919



15.8386, 20.5351, 3.1289



0.1123, 0.1401, 0.0211

Inverse Universe

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



14.7824, 13.8641, 25.5652



23.8059, 21.5569, 45.2894



17.1277, 15.0732, 25.6750



4.8217, 4.9165, 6.3007



4.3926, 1.7786, 22.1575



0.0348, 0.0147, 0.1475

Previews

White Background



This preview shows how the XYZ color 20.9188, 23.7980, 15.5475 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 20.9188, 23.7980, 15.5475 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

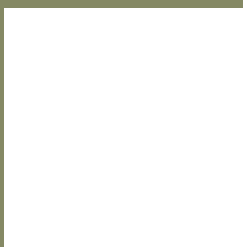
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9188, 23.7980, 15.5475

Background



This preview shows how black text looks on a background with the XYZ color 20.9188, 23.7980, 15.5475.



This preview shows how white text looks on a background with the XYZ color 20.9188, 23.7980,

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

20.9188, 23.7980, 15.5475

Protanopia

22.2788, 23.8803, 15.2395

Deuteranopia

24.0221, 23.5658, 15.8529



Tritanopia

23.6150, 23.8588, 28.9517

Trichromacy



Original Color

20.9188, 23.7980, 15.5475

Protanomaly

21.7313, 23.8042, 15.2537

Deuteranomaly

22.6780, 23.4681, 15.6465

Tritanomaly

22.5092, 23.8167, 23.4894

Monochromacy



Original Color

20.9188, 23.7980, 15.5475

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.4310, 23.3118, 21.1394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9188, 23.7980, 15.5475 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(133, 137, 100)` looks like.

```
.text, #text, p{  
    color:rgb(133, 137, 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(133, 137, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 137, 100) }
```

Border

The CSS property to change the border of an element to XYZ 20.9188, 23.7980, 15.5475 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(133, 137, 100) }
```


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

```
.border{ border-color:rgb(133, 137, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 137, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 137, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 137, 100);  
box-shadow:4px 4px 4px 4px rgb(133, 137,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9188, 23.7980, 15.5475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 137, 100) }
```

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

```
.background{ background-color: rgb(133,  
137, 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](#).

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