

Converting Colors

XYZ(20.2401, 14.2696, 20.8685)

Have a look what the booklet for
XYZ(20.2401, 14.2696, 20.8685)
contains.

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Color

**XYZ(20.2171, 14.2605,
20.7558)**

Conversions

Conversions Part 1

Format	Color
Hex	9C507C
RGB	156, 80, 124
RGB Percent	61%, 31%, 49%
CMY	0.3882, 0.6863, 0.5137
CMYK	0.00, 0.49, 0.21, 0.39
HSL	325°, 32%, 46%
HSV	325°, 49%, 61%
XYZ	20.2171, 14.2605, 20.7558
YIQ	107.7400, 31.1720, 29.7960

Conversions

Conversions Part 2

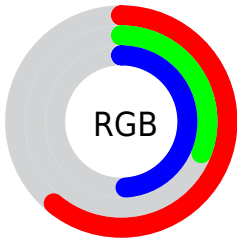
Format	Color
R_{YB}	156, 80, 124
Decimal	10244220
CIE _{Lab}	44.60, 37.24, -10.61
CIE _{LCh}	45, 38.725, 344.093
Yxy	14.2605, 0.3660, 0.2582
Android (android.graphics.Color)	4288434300 (0xFF9C507C)
YUV	107.7400, 8.0162, 42.3240
Hunter-Lab	37.7631, 29.4776, -6.1535

Details

The XYZ color **20.2171, 14.2605, 20.7558** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **18.1221, 26.6528, 19.5199**, and the grayscale version is **14.1537, 14.8908, 16.2161**.

A 20% lighter version of the original color is **43.3385, 33.6739, 45.8105**, and **7.2138, 4.2613, 7.0989** is the 20% darker color. If you saturate the color by 10%, you get **18.8030, 12.0751, 18.3027**, and if you desaturate by 10%, it is **21.9249, 16.9887, 23.4436**.

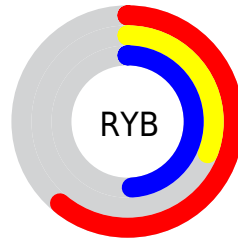
Distribution



Red (61%)

Green (31%)

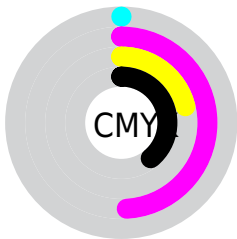
Blue (49%)



Red (61%)

Yellow (31%)

Blue (49%)

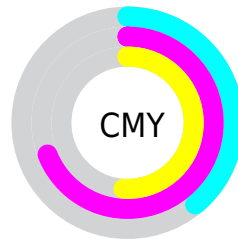


Cyan (0%)

Magenta (49%)

Yellow (21%)

Black (39%)



Cyan (39%)

Magenta (69%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2171, 14.2605, 20.7558 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 20.2171, 14.2605, 20.7558 by changing the saturation by 10% instead.

■ 20.2171, 14.2605,
20.7558

■ 20.2171, 14.2605,
20.7558

245.8992,
218.8454, 268.7161

■ 12.6621, 8.3021,
12.7561

■ 43.2820, 33.5505,
45.5563

■ 7.2717, 4.2888,
7.1321

■ 59.5227, 47.6509,
63.1941

■ 3.6804, 1.8364,
3.4651

■ 79.3894, 65.2341,
84.8818

■ 1.5230, 0.5097,
1.3368

■ 103.2473, 86.6844,
111.0378

■ 0.3414, 0.0000,
0.0916

■ 131.4619,
112.3864, 142.0807

■ 0.0000, 0.0000,
0.0000

164.3985,

142.7242, 178.4290

202.4225,
178.0825, 220.5013

■ 20.2171, 14.2605,
20.7558

■ 20.2171, 14.2605,
20.7558

■ 18.8030, 12.0751,
18.3027

■ 21.9249, 16.9887,
23.4436

■ 17.6623, 10.3929,
16.0746

■ 23.9425, 20.2916,
26.3737

■ 16.7736, 9.1725,
14.0616

■ 26.2862, 24.2009,
29.5541

■ 16.1120, 8.3645,
12.2528

■ 28.9710, 28.7455,
32.9922

■ 15.6273, 7.8695,
10.6283

■ 32.0106, 33.9523,
36.6950

■ 15.5692, 7.8115,
10.4300

■ 35.4182, 39.8467,
40.6692

■ 39.2061, 46.4529,
44.9212

■ 43.3862, 53.7937,
49.4571

■ 47.9697, 61.8911,
54.2829

Harmonies

Analogous

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



18.1961, 14.2605, 31.5195



20.2171, 14.2605, 20.7558



20.2817, 14.2605, 11.6916

Triad

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



20.2171, 14.2605, 20.7558



12.1387, 14.2605, 4.0808



9.6694, 14.2605, 30.9038

Complementary

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



20.2171, 14.2605, 20.7558



18.1221, 26.6528, 19.5199

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.



8.5080, 14.2605, 20.1216



20.2171, 14.2605, 20.7558



9.7776, 14.2605, 6.1357

Square

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



20.2171, 14.2605, 20.7558



15.2744, 14.2605, 4.1391



8.5442, 14.2605, 11.2600



11.9682, 14.2605, 38.7504

Rectangle

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



20.2171, 14.2605, 20.7558



19.1841, 14.2605, 7.7214



8.5442, 14.2605, 11.2600



9.1500, 14.2605, 27.3537

Sweetspot

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



20.2175, 14.2612, 20.7561



49.3389, 46.6448, 55.7596



15.5099, 11.5614, 32.8669



10.6544, 9.9227, 12.0068



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.2175, 14.2612, 20.7561



34.0518, 21.7810, 33.0593



18.2727, 13.4833, 10.5150



6.7859, 6.7073, 7.7238



12.8417, 6.4413, 8.6836



0.2505, 0.1235, 0.2650

Inverse Universe

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



20.2175, 14.2612, 20.7561



34.0518, 21.7810, 33.0593



20.6755, 27.6741, 32.9660



6.7859, 6.7073, 7.7238



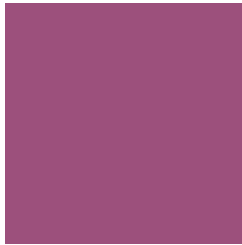
12.8417, 6.4413, 8.6836



0.2505, 0.1235, 0.2650

Previews

White Background



This preview shows how the XYZ color 20.2171, 14.2605, 20.7558 looks on a white 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

Black 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

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

XYZ 20.2171, 14.2605, 20.7558

Background



This preview shows how black text looks on a background with the XYZ color 20.2171, 14.2605, 20.7558.



This preview shows how white text looks on a background with the XYZ color 20.2171, 14.2605,

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

20.2171, 14.2605, 20.7558

Protanopia

14.6832, 14.5130, 27.2267

Deuteranopia

14.6708, 14.3716, 19.7701



Tritanopia

18.4404, 14.2182, 12.1284

Trichromacy



Original Color

20.2171, 14.2605, 20.7558

Protanomaly

16.0273, 13.9666, 24.7728

Deuteranomaly

16.2958, 14.0769, 19.9474

Tritanomaly

18.9954, 14.2101, 14.8384

Monochromacy



Original Color

20.2171, 14.2605, 20.7558

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.8624, 14.3102, 17.8457

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2171, 14.2605, 20.7558 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(156, 80, 124)` looks like.

```
.text, #text, p{  
    color:rgb(156, 80, 124)  
}
```

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(156, 80, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 80, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.2171, 14.2605, 20.7558 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(156, 80, 124) }
```


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

```
.border{ border-color:rgb(156, 80, 124) }
```

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

Here you see how a box with a 4 pixel rgb(156, 80, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 80, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 80, 124);  
box-shadow:4px 4px 4px 4px rgb(156, 80,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2171, 14.2605, 20.7558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 80, 124) }
```

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

```
.background{ background-color: rgb(156, 80,  
124) }
```

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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