

Converting Colors

XYZ(20.7197, 14.9618, 5.7990)

Have a look what the booklet for
XYZ(20.7197, 14.9618, 5.7990)
contains.

XYZ(20.7194, 14.9610, 5.7987)	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(20.7194, 14.9610,
5.7987)**

Conversions

Conversions Part 1

Format	Color
Hex	AC513A
RGB	172, 81, 58
RGB Percent	67%, 32%, 23%
CMY	0.3255, 0.6823, 0.7725
CMYK	0.00, 0.53, 0.66, 0.33
HSL	12°, 50%, 45%
HSV	12°, 66%, 67%
XYZ	20.7194, 14.9610, 5.7987
YIQ	105.5870, 61.6190, 12.1390

Conversions

Conversions Part 2

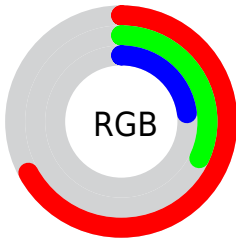
Format	Color
R_{YB}	172, 87, 58
Decimal	11292986
CIE _{Lab}	45.58, 35.48, 30.93
CIE _{LCh}	46, 47.071, 41.074
Yxy	14.9610, 0.4995, 0.3607
Android (android.graphics.Color)	4289483066 (0xFFAC513A)
YUV	105.5870, -23.4604, 58.2442
Hunter-Lab	38.6795, 27.9280, 18.1870

Details

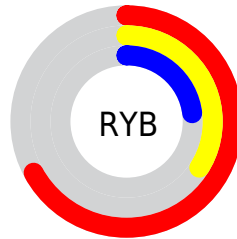
The XYZ color **20.7194, 14.9610, 5.7987** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.9379, 25.3713, 42.8758**, and the grayscale version is **13.6374, 14.3476, 15.6245**.

A 20% lighter version of the original color is **44.1315, 34.6989, 18.0073**, and **7.5087, 4.5891, 0.9055** is the 20% darker color. If you saturate the color by 10%, you get **19.4336, 12.9766, 3.5601**, and if you desaturate by 10%, it is **22.3584, 17.4181, 8.8763**.

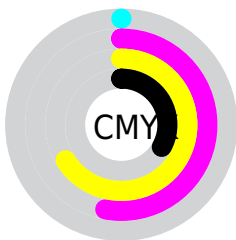
Distribution



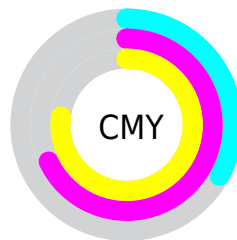
- Red (67%)
- Green (32%)
- Blue (23%)



- Red (67%)
- Yellow (34%)
- Blue (23%)



- Cyan (0%)
- Magenta (53%)
- Yellow (66%)
- Black (33%)





- Cyan (33%)
- Magenta (68%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7194, 14.9610, 5.7987 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 20.7194, 14.9610, 5.7987 by changing the saturation by 10% instead.


 20.7194, 14.9610,
5.7987


 20.7194, 14.9610,
5.7987


248.5435,
223.1300, 166.5041


 13.0303, 8.7920,
2.6563


 44.1149, 34.7847,
17.9820


 7.5266, 4.6058,
0.9213


 60.5520, 49.2083,
27.8600


 3.8428, 2.0179,
0.0000

 80.6358, 67.1522,
40.8202

 1.6136, 0.6178,
0.0000

 104.7318, 89.0008,
57.2812

 0.4012, 0.0000,
0.0000

 133.2052,
115.1384, 77.6616

 0.0000, 0.0000,
0.0000

 166.4213,

145.9496, 102.3798

204.7457,
181.8187, 131.8545

■ 20.7194, 14.9610,
5.7987

■ 20.7194, 14.9610,
5.7987

■ 19.4336, 12.9766,
3.5601

■ 22.3584, 17.4181,
8.8763

■ 18.4721, 11.4313,
2.0754

■ 24.3741, 20.3735,
12.8651

■ 17.8009, 10.2900,
1.2318

■ 26.7891, 23.8542,
17.8305

■ 17.6057, 9.9556,
0.9937

■ 29.6241, 27.8840,
23.8314

■ 32.8979, 32.4856,
30.9222

■ 36.6286, 37.6803,
39.1535

■ 40.8329, 43.4883,
48.5726

■ 45.5270, 49.9288,
59.2241

■ 50.7259, 57.0202,
71.1505

Harmonies

Analogous

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



23.0112, 14.9610, 12.4728



20.7194, 14.9610, 5.7987



16.8175, 14.9610, 3.1887

Triad

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



20.7194, 14.9610, 5.7987



8.1972, 14.9610, 10.2248



15.7231, 14.9610, 48.1450

Complementary

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



20.7194, 14.9610, 5.7987



19.9379, 25.3713, 42.8758

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.



11.9047, 14.9610, 46.5808



20.7194, 14.9610, 5.7987



8.0129, 14.9610, 20.8160

Square

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



20.7194, 14.9610, 5.7987



9.8061, 14.9610, 4.8075



9.2454, 14.9610, 35.0744



19.7921, 14.9610, 38.6899

Rectangle

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



20.7194, 14.9610, 5.7987



14.0786, 14.9610, 2.8111



9.2454, 14.9610, 35.0744



14.3623, 14.9610, 48.9727

Sweetspot

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



20.7197, 14.9618, 5.7990



57.1607, 55.4004, 50.6047



23.9670, 13.9731, 29.9513



12.0741, 11.5501, 10.2441



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.7197, 14.9618, 5.7990



34.2863, 22.0006, 4.9100



26.8367, 27.1957, 7.8379



8.1313, 8.2674, 8.3806



13.1341, 7.4737, 0.7503



0.4025, 0.2821, 0.0332

Inverse Universe

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



19.9379, 25.3713, 42.8758



32.6060, 41.9991, 77.1939



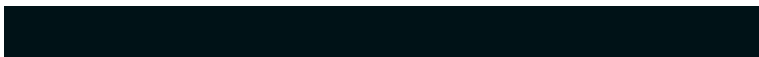
13.0358, 11.5672, 40.5751



8.0970, 8.7934, 10.2232



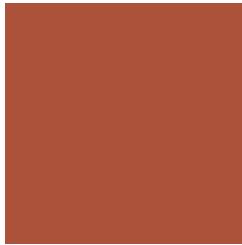
12.2685, 15.6709, 31.4227



0.3757, 0.5047, 0.8856

Previews

White Background



This preview shows how the XYZ color 20.7194, 14.9610, 5.7987 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



This preview shows how the XYZ color 20.7194, 14.9610, 5.7987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

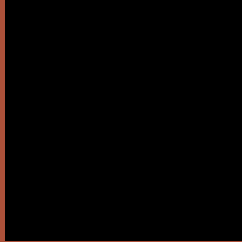
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7194, 14.9610, 5.7987

Background



This preview shows how black text looks on a background with the XYZ color 20.7194, 14.9610, 5.7987.



This preview shows how white text looks on a background with the XYZ color 20.7194, 14.9610,

5.7987.

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

20.7194, 14.9610, 5.7987

Protanopia

13.9832, 15.2062, 7.6669

Deuteranopia

15.3244, 15.0259, 5.4608



Tritanopia

21.5193, 14.9575, 9.9365

Trichromacy



Original Color

20.7194, 14.9610, 5.7987

Protanomaly

15.8685, 14.6971, 6.8510

Deuteranomaly

16.9945, 14.7562, 5.5669

Tritanomaly

21.2656, 14.9706, 8.2474

Monochromacy



Original Color

20.7194, 14.9610, 5.7987

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.2838, 14.0165, 11.3511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7194, 14.9610, 5.7987 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(172, 81, 58)` looks like.

```
.text, #text, p{  
    color:rgb(172, 81, 58)  
}
```

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(172, 81, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 81, 58) }
```

Border

The CSS property to change the border of an element to XYZ 20.7194, 14.9610, 5.7987 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(172, 81, 58) }
```


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

```
.border{ border-color:rgb(172, 81, 58) }
```

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

Here you see how a box with a 4 pixel rgb(172, 81, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 81, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 81, 58);  
box-shadow:4px 4px 4px 4px rgb(172, 81,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7194, 14.9610, 5.7987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 81, 58) }
```

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

```
.background{ background-color: rgb(172, 81,  
58) }
```

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