

Converting Colors

XYZ(20.8314, 20.1357, 4.1357)

Have a look what the booklet for
XYZ(20.8314, 20.1357, 4.1357)
contains.

XYZ(20.9201, 20.1978, 4.1625)	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(20.9201, 20.1978,
4.1625)**

Conversions

Conversions Part 1

Format	Color
Hex	9F7520
RGB	159, 117, 32
RGB Percent	62%, 46%, 13%
CMY	0.3765, 0.5412, 0.8745
CMYK	0.00, 0.26, 0.80, 0.38
HSL	40°, 66%, 37%
HSV	40°, 80%, 62%
XYZ	20.9201, 20.1978, 4.1625
YIQ	119.8680, 52.3170, -17.5310

Conversions

Conversions Part 2

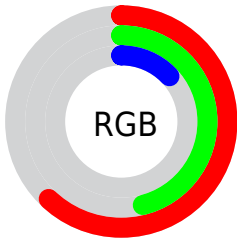
Format	Color
R_{YB}	95, 159, 32
Decimal	10450208
CIE Lab	52.06, 8.52, 49.97
CIE LCh	52, 50.693, 80.319
Yxy	20.1978, 0.4620, 0.4461
Android (android.graphics.Color)	4288640288 (0xFF9F7520)
YUV	119.8680, -43.3189, 34.3188
Hunter-Lab	44.9420, 4.4418, 25.9680

Details

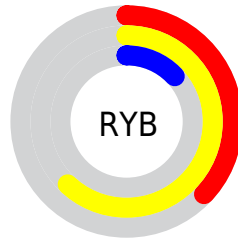
The XYZ color **20.9201, 20.1978, 4.1625** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.3024, 7.7077, 33.7981**, and the grayscale version is **17.9333, 18.8672, 20.5464**.

A 20% lighter version of the original color is **44.3646, 43.7522, 14.2904**, and **7.7216, 7.1398, 0.9711** is the 20% darker color. If you saturate the color by 10%, you get **20.1585, 18.9411, 3.0878**, and if you desaturate by 10%, it is **21.8213, 21.5671, 5.7986**.

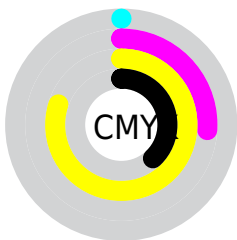
Distribution



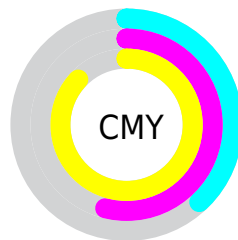
- Red (62%)
- Green (46%)
- Blue (13%)



- Red (37%)
- Yellow (62%)
- Blue (13%)



- Cyan (0%)
- Magenta (26%)
- Yellow (80%)
- Black (38%)



- Cyan (38%)
- Magenta (54%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9201, 20.1978, 4.1625 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 20.9201, 20.1978, 4.1625 by changing the saturation by 10% instead.

■ 20.9201, 20.1978,
4.1625

■ 20.9201, 20.1978,
4.1625

249.5933,
252.9839, 150.0148

■ 13.1777, 12.5389,
1.7149

■ 44.4468, 43.7486,
14.3828

■ 7.6289, 7.1118,
0.3709

■ 60.9618, 60.4092,
22.9927

■ 3.9082, 3.5321,
0.0000

■ 81.1318, 80.8393,
34.4936

■ 1.6503, 1.4154,
0.0000

■ 105.3221,
105.4231, 49.3043

■ 0.4249, 0.2281,
0.0000

■ 133.8981,
134.5450, 67.8432

■ 0.0000, 0.0000,
0.0000

■ 167.2250,

168.5896, 90.5289

205.6683,
207.9411, 117.7799

20.9201, 20.1978,
4.1625

20.9201, 20.1978,
4.1625

20.1585, 18.9411,
3.0878

21.8213, 21.5671,
5.7986

19.5037, 17.7804,
2.4099

22.8745, 23.0523,
8.0651

19.4956, 17.7660,
2.4017

24.0922, 24.6600,
11.0222

25.4847, 26.3953,
14.7225

27.0616, 28.2629,
19.2137

■ 28.8317, 30.2669,
24.5393

■ 30.8031, 32.4115,
30.7398

■ 32.9833, 34.7005,
37.8529

■ 35.3797, 37.1374,
45.9142

Harmonies

Analogous

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



26.2787, 20.1978, 6.5416



20.9201, 20.1978, 4.1625



15.9449, 20.1978, 4.6298

Triad

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



20.9201, 20.1978, 4.1625



11.2954, 20.1978, 33.4476



27.9201, 20.1978, 45.6720

Complementary

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



20.9201, 20.1978, 4.1625



9.3024, 7.7077, 33.7981

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.



22.8646, 20.1978, 61.0099



20.9201, 20.1978, 4.1625



13.5183, 20.1978, 52.0276

Square

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



20.9201, 20.1978, 4.1625



10.9634, 20.1978, 17.5387



17.5720, 20.1978, 63.7500



30.7734, 20.1978, 27.1417

Rectangle

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



20.9201, 20.1978, 4.1625



13.4513, 20.1978, 6.6328



17.5720, 20.1978, 63.7500



26.3834, 20.1978, 51.6667

Sweetspot

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



20.9206, 20.1988, 4.1629



50.1381, 52.5294, 39.3851



16.0620, 8.9031, 7.4099



11.0662, 11.5725, 8.1698



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.9206, 20.1988, 4.1629



35.1738, 32.2626, 4.6107



23.1125, 30.2895, 5.9951



6.9852, 7.3504, 7.0363



15.4376, 14.1109, 1.9100



0.3131, 0.3264, 0.0465

Inverse Universe

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



9.3024, 7.7077, 33.7981



13.7485, 9.4115, 59.8354



8.2517, 4.2979, 33.1954



6.4550, 6.7758, 8.3743



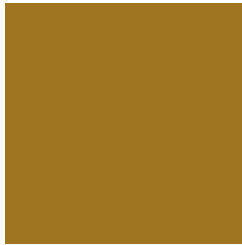
5.9682, 4.0279, 26.3701



0.1433, 0.1452, 0.4837

Previews

White Background



This preview shows how the XYZ color 20.9201, 20.1978, 4.1625 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 20.9201, 20.1978, 4.1625 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 20.9201, 20.1978, 4.1625

Background



This preview shows how black text looks on a background with the XYZ color 20.9201, 20.1978, 4.1625.



This preview shows how white text looks on a background with the XYZ color 20.9201, 20.1978,

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

20.9201, 20.1978, 4.1625

Protanopia

18.4376, 20.3582, 4.4711

Deuteranopia

20.6304, 20.2239, 4.1126



Tritanopia

23.9894, 20.1141, 19.4477

Trichromacy



Original Color

20.9201, 20.1978, 4.1625

Protanomaly

19.2667, 20.2319, 4.3285

Deuteranomaly

20.8263, 20.3249, 4.1218

Tritanomaly

22.3742, 19.9416, 11.4740

Monochromacy



Original Color

20.9201, 20.1978, 4.1625

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1898, 18.9666, 11.9347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9201, 20.1978, 4.1625 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(159, 117, 32)` looks like.

```
.text, #text, p{  
    color:rgb(159, 117, 32)  
}
```

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(159, 117, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 117, 32) }
```

Border

The CSS property to change the border of an element to XYZ 20.9201, 20.1978, 4.1625 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(159, 117, 32) }
```


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

```
.border{ border-color:rgb(159, 117, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 117, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 117, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 117, 32);  
box-shadow:4px 4px 4px 4px rgb(159, 117,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9201, 20.1978, 4.1625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 117, 32) }
```

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

```
.background{ background-color: rgb(159,  
117, 32) }
```

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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