

Converting Colors

XYZ(19.9838, 20.2357, 4.5217)

Have a look what the booklet for
XYZ(19.9838, 20.2357, 4.5217)
contains.

XYZ(19.9838, 20.2357, 4.5217)	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(19.9838, 20.2357,
4.5217)**

Conversions

Conversions Part 1

Format	Color
Hex	987824
RGB	152, 120, 36
RGB Percent	60%, 47%, 14%
CMY	0.4039, 0.5294, 0.8588
CMYK	0.00, 0.21, 0.76, 0.40
HSL	43°, 62%, 37%
HSV	43°, 76%, 60%
XYZ	19.9838, 20.2357, 4.5217
YIQ	119.9920, 46.0360, -19.3400

Conversions

Conversions Part 2

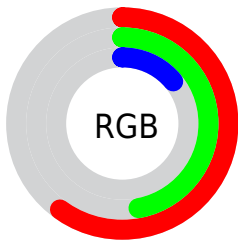
Format	Color
RYB	80, 152, 36
Decimal	9992228
CIELab	52.10, 3.77, 48.16
CIElCh	52, 48.306, 85.525
Yxy	20.2357, 0.4467, 0.4523
Android (android.graphics.Color)	4288182308 (0xFF987824)
YUV	119.9920, -41.4081, 28.0710
Hunter-Lab	44.9841, 0.5749, 25.5292

Details

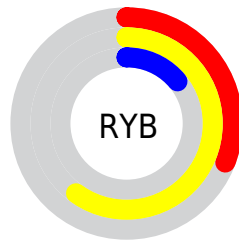
The XYZ color **19.9838, 20.2357, 4.5217** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.4621, 6.7762, 30.5675**, and the grayscale version is **17.9685, 18.9043, 20.5868**.

A 20% lighter version of the original color is **42.7673, 43.7485, 15.2070**, and **7.2471, 7.1761, 1.0032** is the 20% darker color. If you saturate the color by 10%, you get **19.3060, 19.1761, 3.3838**, and if you desaturate by 10%, it is **20.7832, 21.3808, 6.1870**.

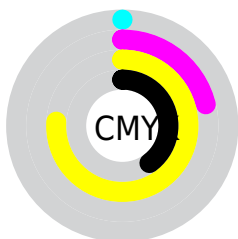
Distribution



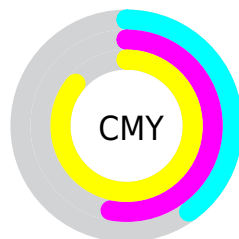
- Red (60%)
- Green (47%)
- Blue (14%)



- Red (31%)
- Yellow (60%)
- Blue (14%)



- Cyan (0%)
- Magenta (21%)
- Yellow (76%)
- Black (40%)



- Cyan (40%)
- Magenta (53%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9838, 20.2357, 4.5217 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 19.9838, 20.2357, 4.5217 by changing the saturation by 10% instead.

■ 19.9838, 20.2357,
4.5217

■ 19.9838, 20.2357,
4.5217

244.6626,
253.1883, 153.8587

■ 12.4915, 12.5665,
1.9157

■ 42.8942, 43.8120,
15.1961

■ 7.1539, 7.1307,
0.5027

■ 59.0429, 60.4879,
24.1016

■ 3.6057, 3.5440,
0.0000

■ 78.8078, 80.9348,
35.9440

■ 1.4816, 1.4219,
0.0000

■ 102.5543,
105.5371, 51.1419

■ 0.3133, 0.2328,
0.0000

■ 130.6477,
134.6792, 70.1138

■ 0.0000, 0.0000,
0.0000

■ 163.4533,

168.7455, 93.2781

201.3365,
208.1204, 121.0536

■ 19.9838, 20.2357,
4.5217

■ 19.9838, 20.2357,
4.5217

■ 19.3060, 19.1761,
3.3838

■ 20.7832, 21.3808,
6.1870

■ 18.7317, 18.1921,
2.6850

■ 21.7142, 22.6136,
8.4372

■ 18.5327, 17.8431,
2.4673

■ 22.7871, 23.9393,
11.3234

■ 24.0109, 25.3621,
14.8910

■ 25.3936, 26.8854,
19.1811

■ 26.9426, 28.5126,
24.2315

■ 28.6649, 30.2471,
30.0775

■ 30.5669, 32.0916,
36.7520

■ 32.6547, 34.0492,
44.2862

Harmonies

Analogous

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



25.1244, 20.2357, 6.3589



19.9838, 20.2357, 4.5217



15.4251, 20.2357, 5.4766

Triad

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



19.9838, 20.2357, 4.5217



11.8744, 20.2357, 35.9513



28.1710, 20.2357, 41.2889

Complementary

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



19.9838, 20.2357, 4.5217



8.4621, 6.7762, 30.5675

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.



23.6220, 20.2357, 56.8104



19.9838, 20.2357, 4.5217



14.3438, 20.2357, 52.9137

Square

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



19.9838, 20.2357, 4.5217



11.2352, 20.2357, 19.9790



18.5021, 20.2357, 61.7838



30.3377, 20.2357, 24.2237

Rectangle

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



19.9838, 20.2357, 4.5217



13.2225, 20.2357, 7.9451



18.5021, 20.2357, 61.7838



26.8356, 20.2357, 47.1039

Sweetspot

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



19.9843, 20.2367, 4.5221



45.5758, 48.2600, 36.2719



14.6499, 8.3653, 6.4514



10.1589, 10.7552, 7.6039



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.9843, 20.2367, 4.5221



33.3072, 32.5388, 5.0040



20.2792, 27.0855, 5.8285



6.5648, 6.9347, 6.5984



15.5661, 15.0146, 2.0777



0.2625, 0.2841, 0.0410

Inverse Universe

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



8.4621, 6.7762, 30.5675



12.1336, 7.9514, 53.3289



8.2313, 4.5253, 30.1452



6.0163, 6.2899, 7.8260



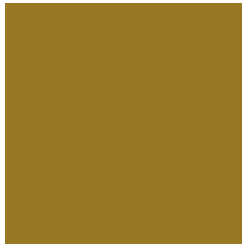
5.4673, 3.3313, 25.2625



0.1092, 0.1048, 0.3868

Previews

White Background



This preview shows how the XYZ color 19.9838, 20.2357, 4.5217 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 19.9838, 20.2357, 4.5217 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 19.9838, 20.2357, 4.5217

Background



This preview shows how black text looks on a background with the XYZ color 19.9838, 20.2357, 4.5217.



This preview shows how white text looks on a background with the XYZ color 19.9838, 20.2357,

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

19.9838, 20.2357, 4.5217

Protanopia

18.4828, 20.3763, 4.7091

Deuteranopia

20.5227, 20.1584, 4.5596



Tritanopia

23.3459, 20.2379, 20.7650

Trichromacy



Original Color

19.9838, 20.2357, 4.5217

Protanomaly

18.9185, 20.2288, 4.6577

Deuteranomaly

20.4483, 20.2958, 4.5900

Tritanomaly

21.6865, 20.0676, 12.4033

Monochromacy



Original Color

19.9838, 20.2357, 4.5217

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.0354, 19.0597, 12.1795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9838, 20.2357, 4.5217 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(152, 120, 36)` looks like.

```
.text, #text, p{  
    color:rgb(152, 120, 36)  
}
```

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(152, 120, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 120, 36) }
```

Border

The CSS property to change the border of an element to XYZ 19.9838, 20.2357, 4.5217 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(152, 120, 36) }
```


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

```
.border{ border-color:rgb(152, 120, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 120, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 120, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 120, 36);  
box-shadow:4px 4px 4px 4px rgb(152, 120,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9838, 20.2357, 4.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 120, 36) }
```

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

```
.background{ background-color: rgb(152,  
120, 36) }
```

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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