

Converting Colors

XYZ(19.5991, 20.5832, 4.5301)

Have a look what the booklet for
XYZ(19.5991, 20.5832, 4.5301)
contains.

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Color

**XYZ(19.5991, 20.5832,
4.5301)**

Conversions

Conversions Part 1

Format	Color
Hex	947B23
RGB	148, 123, 35
RGB Percent	58%, 48%, 14%
CMY	0.4196, 0.5176, 0.8627
CMYK	0.00, 0.17, 0.76, 0.42
HSL	47°, 62%, 36%
HSV	47°, 76%, 58%
XYZ	19.5991, 20.5832, 4.5301
YIQ	120.4430, 43.1480, -22.0680

Conversions

Conversions Part 2

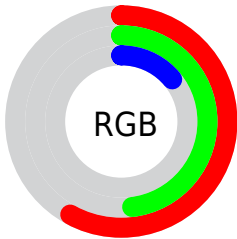
Format	Color
RYB	67, 148, 35
Decimal	9730851
CIELab	52.49, 0.18, 48.78
CIELCh	52, 48.785, 89.791
Yxy	20.5832, 0.4383, 0.4603
Android (android.graphics.Color)	4287920931 (0xFF947B23)
YUV	120.4430, -42.1234, 24.1675
Hunter-Lab	45.3687, -2.2840, 25.8379

Details

The XYZ color **19.5991, 20.5832, 4.5301** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.6543, 5.7271, 28.7188**, and the grayscale version is **18.1165, 19.0600, 20.7563**.

A 20% lighter version of the original color is **42.1865, 44.3110, 15.1335**, and **7.1322, 7.4118, 1.0547** is the 20% darker color. If you saturate the color by 10%, you get **19.0248, 19.7153, 3.4741**, and if you desaturate by 10%, it is **20.2806, 21.5174, 6.0798**.

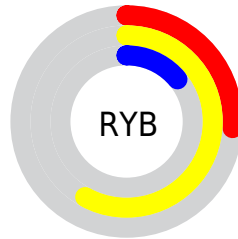
Distribution



Red (58%)

Green (48%)

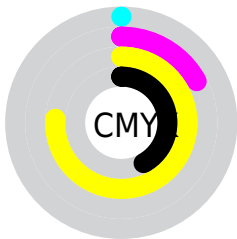
Blue (14%)



Red (26%)

Yellow (58%)

Blue (14%)

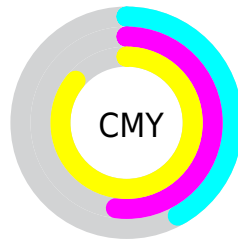


Cyan (0%)

Magenta (17%)

Yellow (76%)

Black (42%)



Cyan (42%)

Magenta (52%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5991, 20.5832, 4.5301 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 19.5991, 20.5832, 4.5301 by changing the saturation by 10% instead.

■ 19.5991, 20.5832,
4.5301

■ 19.5991, 20.5832,
4.5301

242.6116,
255.0551, 153.9468

■ 12.2105, 12.8197,
1.9204

■ 42.2531, 44.3928,
15.2150

■ 6.9604, 7.3045,
0.5057

■ 58.2493, 61.2077,
24.1273

■ 3.4835, 3.6532,
0.0000

■ 77.8453, 81.8085,
35.9775

■ 1.4143, 1.4815,
0.0000

■ 101.4066,
106.5796, 51.1842

■ 0.2664, 0.2757,
0.0000

■ 129.2986,
135.9055, 70.1660

■ 0.0000, 0.0000,
0.0000

■ 161.8865,

170.1704, 93.3413

199.5357,
209.7588, 121.1287

■ 19.5991, 20.5832,
4.5301

■ 19.5991, 20.5832,
4.5301

■ 19.0248, 19.7153,
3.4741

■ 20.2806, 21.5174,
6.0798

■ 18.5404, 18.9040,
2.8268

■ 21.0785, 22.5192,
8.1767

■ 18.3732, 18.6170,
2.6251

■ 22.0024, 23.5936,
10.8687

■ 23.0604, 24.7440,
14.1982

■ 24.2599, 25.9736,
18.2037

■ 25.6079, 27.2853,
22.9205

■ 27.1106, 28.6818,
28.3816

■ 28.7741, 30.1657,
34.6178

■ 30.6039, 31.7395,
41.6583

Harmonies

Analogous

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



24.8607, 20.5832, 5.9574



19.5991, 20.5832, 4.5301



15.1298, 20.5832, 5.9156

Triad

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



19.5991, 20.5832, 4.5301



12.2961, 20.5832, 39.2386



29.1993, 20.5832, 39.4940

Complementary

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



19.5991, 20.5832, 4.5301



7.6543, 5.7271, 28.7188

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.



24.7889, 20.5832, 56.1929



19.5991, 20.5832, 4.5301



15.0782, 20.5832, 56.0062

Square

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



19.5991, 20.5832, 4.5301



11.3794, 20.5832, 22.3105



19.5284, 20.5832, 63.2434



30.9534, 20.5832, 22.5130

Rectangle

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



19.5991, 20.5832, 4.5301



13.0522, 20.5832, 8.8370



19.5284, 20.5832, 63.2434



27.9447, 20.5832, 45.5513

Sweetspot

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



19.5996, 20.5842, 4.5305



43.4656, 46.4832, 34.3931



13.6661, 7.8390, 5.2600



9.7497, 10.4400, 7.2573



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.5996, 20.5842, 4.5305



32.9189, 33.7076, 5.2344



18.3465, 25.1433, 5.4766



6.1577, 6.5292, 6.1762



15.7144, 15.9432, 2.2491



0.2139, 0.2383, 0.0347

Inverse Universe

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



7.6543, 5.7271, 28.7188



10.9629, 6.5357, 50.1183



8.1354, 4.4688, 28.4506



5.5974, 5.8287, 7.2998



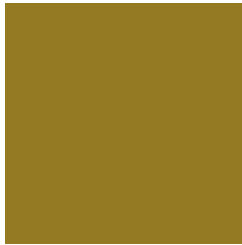
5.0417, 2.7783, 24.2016



0.0804, 0.0713, 0.3024

Previews

White Background



This preview shows how the XYZ color 19.5991, 20.5832, 4.5301 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 19.5991, 20.5832, 4.5301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

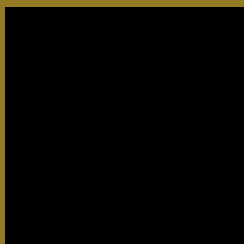
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5991, 20.5832, 4.5301

Background



This preview shows how black text looks on a background with the XYZ color 19.5991, 20.5832, 4.5301.



This preview shows how white text looks on a background with the XYZ color 19.5991, 20.5832,

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

19.5991, 20.5832, 4.5301

Protanopia

18.7638, 20.7118, 4.6779

Deuteranopia

20.8354, 20.4953, 4.6081



Tritanopia

23.0953, 20.5867, 21.8252

Trichromacy



Original Color

19.5991, 20.5832, 4.5301

Protanomaly

19.1537, 20.7239, 4.6597

Deuteranomaly

20.3613, 20.4303, 4.5394

Tritanomaly

21.3591, 20.4050, 12.9380

Monochromacy



Original Color

19.5991, 20.5832, 4.5301

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8465, 19.1418, 12.2053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5991, 20.5832, 4.5301 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(148, 123, 35)` looks like.

```
.text, #text, p{  
    color:rgb(148, 123, 35)  
}
```

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(148, 123, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 123, 35) }
```

Border

The CSS property to change the border of an element to XYZ 19.5991, 20.5832, 4.5301 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(148, 123, 35) }
```


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

```
.border{ border-color:rgb(148, 123, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 123, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 123, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 123, 35);  
box-shadow:4px 4px 4px 4px rgb(148, 123,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5991, 20.5832, 4.5301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 123, 35) }
```

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

```
.background{ background-color: rgb(148,  
123, 35) }
```

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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