

Converting Colors

XYZ(20.4466, 22.5755, 3.8960)

Have a look what the booklet for
XYZ(20.4466, 22.5755, 3.8960)
contains.

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Color

**XYZ(20.4466, 22.5755,
3.8960)**

Conversions

Conversions Part 1

Format	Color
Hex	948313
RGB	148, 131, 19
RGB Percent	58%, 51%, 7%
CMY	0.4196, 0.4863, 0.9255
CMYK	0.00, 0.11, 0.87, 0.42
HSL	52°, 77%, 33%
HSV	52°, 87%, 58%
XYZ	20.4466, 22.5755, 3.8960
YIQ	123.3150, 46.0840, -31.2280

Conversions

Conversions Part 2

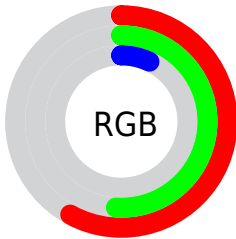
Format	Color
R_{YB}	39, 148, 19
Decimal	9732883
CIE Lab	54.63, -4.86, 55.88
CIE LCh	55, 56.086, 94.968
Yxy	22.5755, 0.4358, 0.4812
Android (android.graphics.Color)	4287922963 (0xFF948313)
YUV	123.3150, -51.4273, 21.6487
Hunter-Lab	47.5137, -6.3349, 28.3979

Details

The XYZ color **20.4466, 22.5755, 3.8960** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.2449, 3.5385, 28.3707**, and the grayscale version is **19.0857, 20.0797, 21.8668**.

A 20% lighter version of the original color is **43.6218, 47.7819, 13.7612**, and **7.5315, 8.3617, 1.2170** is the 20% darker color. If you saturate the color by 10%, you get **20.0931, 22.0198, 3.3120**, and if you desaturate by 10%, it is **20.8799, 23.1727, 4.8711**.

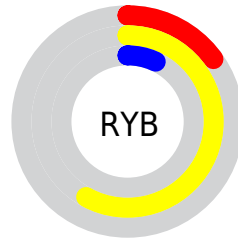
Distribution



Red (58%)

Green (51%)

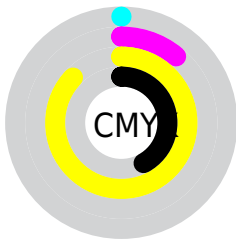
Blue (7%)



Red (15%)

Yellow (58%)

Blue (7%)

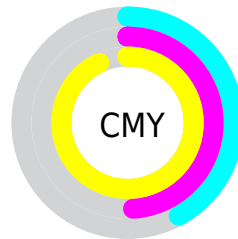


Cyan (0%)

Magenta (11%)

Yellow (87%)

Black (42%)



Cyan (42%)

Magenta (49%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4466, 22.5755, 3.8960 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 20.4466, 22.5755, 3.8960 by changing the saturation by 10% instead.

■ 20.4466, 22.5755,
3.8960

■ 20.4466, 22.5755,
3.8960

247.1104,
265.5371, 147.0623

■ 12.8302, 14.2804,
1.5685

■ 43.6629, 47.6954,
13.7692

■ 7.3879, 8.3159,
0.2682

■ 59.9936, 65.2889,
22.1519

■ 3.7544, 4.2978,
0.0000

■ 79.9598, 86.7506,
33.3901

■ 1.5641, 1.8415,
0.0000

■ 103.9268,
112.4651, 47.9024

■ 0.3689, 0.5128,
0.0000

■ 132.2600,
142.8165, 66.1072

■ 0.0000, 0.0000,
0.0000

■ 165.3248,

178.1894, 88.4230

■ 203.4865,
218.9682, 115.2686

■ 20.4466, 22.5755,
3.8960

■ 20.4466, 22.5755,
3.8960

■ 20.0931, 22.0198,
3.3120

■ 20.8799, 23.1727,
4.8711

■ 19.9972, 21.8649,
3.1664

■ 21.4094, 23.8155,
6.3309

■ 22.0462, 24.5091,
8.3313

■ 22.7995, 25.2574,
10.9202

■ 23.6774, 26.0636,
14.1404

■ 24.6872, 26.9306,
18.0305

■ 25.8358, 27.8613,
22.6262

■ 27.1295, 28.8582,
27.9605

■ 28.5741, 29.9236,
34.0644

Harmonies

Analogous

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



26.8762, 22.5755, 4.8635



20.4466, 22.5755, 3.8960



15.3532, 22.5755, 5.9321

Triad

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



20.4466, 22.5755, 3.8960



13.1327, 22.5755, 49.6353



34.0955, 22.5755, 41.9331

Complementary

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



20.4466, 22.5755, 3.8960



6.2449, 3.5385, 28.3707

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.



28.9967, 22.5755, 64.2370



20.4466, 22.5755, 3.8960



16.8207, 22.5755, 69.9806

Square

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



20.4466, 22.5755, 3.8960



11.6788, 22.5755, 27.6411



22.5008, 22.5755, 76.3140



35.5723, 22.5755, 21.7553

Rectangle

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



20.4466, 22.5755, 3.8960



13.1382, 22.5755, 9.7853



22.5008, 22.5755, 76.3140



32.7060, 22.5755, 49.6844

Sweetspot

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



20.4471, 22.5766, 3.8965



43.6816, 47.6194, 32.2938



12.7673, 6.8905, 2.3427



9.8373, 10.7580, 6.8464



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.



20.4471, 22.5766, 3.8965



35.1944, 38.4000, 5.5570



16.0410, 23.9763, 4.3988



6.2010, 6.6157, 6.1906



17.0950, 18.7044, 2.7093



0.2238, 0.2581, 0.0380

Inverse Universe

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



6.2449, 3.5385, 28.3707



9.7834, 4.4764, 49.7830



7.8456, 3.7729, 28.3315



5.5575, 5.7489, 7.2865



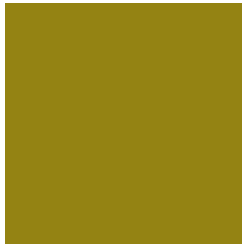
4.7844, 2.2636, 24.1158



0.0705, 0.0515, 0.2991

Previews

White Background



This preview shows how the XYZ color 20.4466, 22.5755, 3.8960 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 20.4466, 22.5755, 3.8960 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 20.4466, 22.5755, 3.8960

Background



This preview shows how black text looks on a background with the XYZ color 20.4466, 22.5755, 3.8960.



This preview shows how white text looks on a background with the XYZ color 20.4466, 22.5755,

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

20.4466, 22.5755, 3.8960

Protanopia

20.2665, 22.4827, 3.8875

Deuteranopia

22.8896, 22.4806, 3.9969



Tritanopia

24.5738, 22.5263, 24.5256

Trichromacy



Original Color

20.4466, 22.5755, 3.8960

Protanomaly

20.2665, 22.4827, 3.8875

Deuteranomaly

22.0323, 22.6076, 3.9615

Tritanomaly

22.1280, 22.0808, 12.7686

Monochromacy



Original Color

20.4466, 22.5755, 3.8960

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6163, 20.4831, 11.5668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4466, 22.5755, 3.8960 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, 131, 19)` looks like.

```
.text, #text, p{  
    color:rgb(148, 131, 19)  
}
```

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, 131, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 131, 19) }
```

Border

The CSS property to change the border of an element to XYZ 20.4466, 22.5755, 3.8960 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, 131, 19) }
```


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

```
.border{ border-color:rgb(148, 131, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 131, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 131, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 131, 19);  
box-shadow:4px 4px 4px 4px rgb(148, 131,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4466, 22.5755, 3.8960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 131, 19) }
```

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

```
.background{ background-color: rgb(148,  
131, 19) }
```

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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