

Converting Colors

XYZ(24.5719, 20.1443, 7.1710)

Have a look what the booklet for
XYZ(24.5719, 20.1443, 7.1710)
contains.

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Color

**XYZ(24.6139, 20.2396,
7.1668)**

Conversions

Conversions Part 1

Format	Color
Hex	B36A3E
RGB	179, 106, 62
RGB Percent	70%, 42%, 24%
CMY	0.2980, 0.5843, 0.7569
CMYK	0.00, 0.41, 0.65, 0.30
HSL	23°, 49%, 47%
HSV	23°, 65%, 70%
XYZ	24.6139, 20.2396, 7.1668
YIQ	122.8110, 57.6320, 1.7920

Conversions

Conversions Part 2

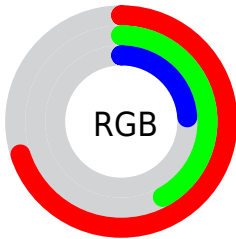
Format	Color
R_{YB}	179, 133, 62
Decimal	11758142
CIE _{Lab}	52.11, 25.14, 36.67
CIE _{LCh}	52, 44.462, 55.573
Yxy	20.2396, 0.4732, 0.3891
Android (android.graphics.Color)	4289948222 (0xFFB36A3E)
YUV	122.8110, -29.9798, 49.2778
Hunter-Lab	44.9884, 18.9304, 22.0468

Details

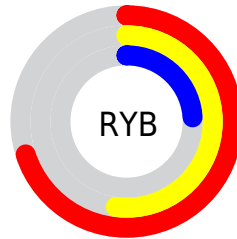
The XYZ color **24.6139, 20.2396, 7.1668** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.7866, 21.6054, 45.8275**, and the grayscale version is **18.8473, 19.8289, 21.5936**.

A 20% lighter version of the original color is **50.3560, 43.7786, 20.8350**, and **9.6326, 7.2011, 1.3725** is the 20% darker color. If you saturate the color by 10%, you get **23.1244, 17.9215, 4.6333**, and if you desaturate by 10%, it is **26.4160, 22.9243, 10.6029**.

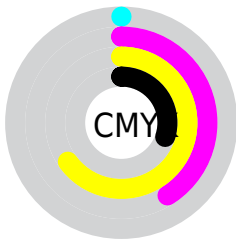
Distribution



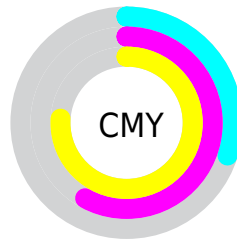
- Red (70%)
- Green (42%)
- Blue (24%)



- Red (70%)
- Yellow (52%)
- Blue (24%)



- Cyan (0%)
- Magenta (41%)
- Yellow (65%)
- Black (30%)





- Cyan (30%)
- Magenta (58%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6139, 20.2396, 7.1668 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 24.6139, 20.2396, 7.1668 by changing the saturation by 10% instead.


 24.6139, 20.2396,
7.1668


 24.6139, 20.2396,
7.1668


268.2929,
253.2093, 178.7258


 15.9168, 12.5693,
3.4866


 50.4776, 43.8185,
20.8265


 9.5558, 7.1327,
1.3482


 68.3749, 60.4960,
31.6432


 5.1654, 3.5452,
0.1008

 90.0697, 80.9446,
45.6757

 2.3804, 1.4226,
0.0000

 115.9273,
105.5488, 63.3427

 0.8353, 0.2333,
0.0000

 146.3130,
134.6930, 85.0626

 0.0000, 0.0000,
0.0000

 181.5923,

168.7615, 111.2541

222.1305,
208.1388, 142.3356

■ 24.6139, 20.2396,
7.1668

■ 24.6139, 20.2396,
7.1668

■ 23.1244, 17.9215,
4.6333

■ 26.4160, 22.9243,
10.6029

■ 21.9237, 15.9487,
2.9120

■ 28.5491, 25.9891,
15.0179

■ 20.9857, 14.3018,
1.8929

■ 31.0316, 29.4504,
20.4810

■ 20.6167, 13.6365,
1.5455

■ 33.8800, 33.3228,
27.0550

■ 37.1097, 37.6198,
34.7975

■ 40.7351, 42.3546,
43.7621

■ 44.7697, 47.5396,
53.9993

■ 49.2267, 53.1866,
65.5564

■ 54.1183, 59.3072,
78.4784

Harmonies

Analogous

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



28.2477, 20.2396, 12.9017



24.6139, 20.2396, 7.1668



19.9197, 20.2396, 5.3158

Triad

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



24.6139, 20.2396, 7.1668



11.7722, 20.2396, 20.1612



23.2622, 20.2396, 53.2079

Complementary

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



24.6139, 20.2396, 7.1668



18.7866, 21.6054, 45.8275

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.



18.5703, 20.2396, 57.6028



24.6139, 20.2396, 7.1668



12.3808, 20.2396, 34.7055

Square

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



24.6139, 20.2396, 7.1668



12.8906, 20.2396, 10.6985



14.7066, 20.2396, 49.8057



27.3850, 20.2396, 39.4354

Rectangle

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



24.6139, 20.2396, 7.1668



16.9847, 20.2396, 5.6497



14.7066, 20.2396, 49.8057



21.6804, 20.2396, 56.0155

Sweetspot

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



24.6144, 20.2406, 7.1672



63.4981, 63.4509, 55.1545



24.7640, 14.8095, 24.8832



13.7178, 13.5903, 11.3840



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.6144, 20.2406, 7.1672



40.5055, 30.6274, 6.9147



32.6280, 36.2679, 9.8384



8.7495, 9.0116, 8.9308



14.6271, 9.7527, 1.1115



0.5174, 0.4213, 0.0540

Inverse Universe

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



18.7866, 21.6054, 45.8275



29.2113, 33.0759, 81.2259



12.8195, 9.6711, 43.8384



8.4687, 9.0837, 10.8133



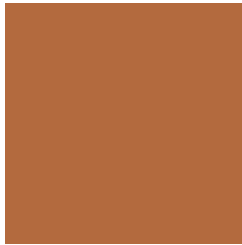
9.8831, 10.5666, 31.6556



0.3649, 0.4403, 1.0140

Previews

White Background



This preview shows how the XYZ color 24.6139, 20.2396, 7.1668 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 24.6139, 20.2396, 7.1668 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 24.6139, 20.2396, 7.1668

Background



This preview shows how black text looks on a background with the XYZ color 24.6139, 20.2396, 7.1668.



This preview shows how white text looks on a background with the XYZ color 24.6139, 20.2396,

7.1668.

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

24.6139, 20.2396, 7.1668

Protanopia

18.6935, 20.4030, 8.4218

Deuteranopia

20.7127, 20.3794, 6.9796



Tritanopia

26.6519, 20.3352, 16.7077

Trichromacy



Original Color

24.6139, 20.2396, 7.1668

Protanomaly

20.4107, 20.0256, 7.9438

Deuteranomaly

21.9372, 20.1474, 7.0076

Tritanomaly

25.7946, 20.2796, 12.4524

Monochromacy



Original Color

24.6139, 20.2396, 7.1668

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.0379, 19.5018, 15.0200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6139, 20.2396, 7.1668 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(179, 106, 62)` looks like.

```
.text, #text, p{  
    color:rgb(179, 106, 62)  
}
```

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(179, 106, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 106, 62) }
```

Border

The CSS property to change the border of an element to XYZ 24.6139, 20.2396, 7.1668 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(179, 106, 62) }
```


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

```
.border{ border-color:rgb(179, 106, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 106, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 106, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 106, 62);  
box-shadow:4px 4px 4px 4px rgb(179, 106,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6139, 20.2396, 7.1668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 106, 62) }
```

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

```
.background{ background-color: rgb(179,  
106, 62) }
```

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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