

Converting Colors

XYZ(23.5497, 31.1659, 22.2026)

Have a look what the booklet for
XYZ(23.5497, 31.1659, 22.2026)
contains.

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Color

**XYZ(23.6294, 31.2393,
22.2371)**

Conversions

Conversions Part 1

Format	Color
Hex	74A377
RGB	116, 163, 119
RGB Percent	45%, 64%, 47%
CMY	0.5451, 0.3608, 0.5333
CMYK	0.29, 0.00, 0.27, 0.36
HSL	124°, 20%, 55%
HSV	124°, 29%, 64%
XYZ	23.6294, 31.2393, 22.2371
YIQ	143.9310, -13.8880, -23.6480

Conversions

Conversions Part 2

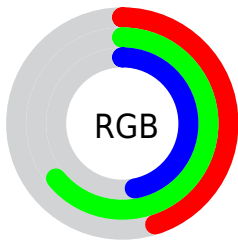
Format	Color
RYB	116, 160, 163
Decimal	7644023
CIELab	62.71, -24.87, 17.93
CIElCh	63, 30.656, 144.215
Yxy	31.2393, 0.3065, 0.4051
Android (android.graphics.Color)	4285834103 (0xFF74A377)
YUV	143.9310, -12.2910, -24.4955
Hunter-Lab	55.8921, -22.3471, 15.5355

Details

The XYZ color **23.6294, 31.2393, 22.2371** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.6959, 22.8160, 36.2032**, and the grayscale version is **26.5340, 27.9159, 30.4004**.

A 20% lighter version of the original color is **48.7843, 61.5181, 47.8311**, and **9.0367, 12.9693, 7.8214** is the 20% darker color. If you saturate the color by 10%, you get **20.8058, 29.8821, 17.6992**, and if you desaturate by 10%, it is **26.9820, 32.8540, 27.5692**.

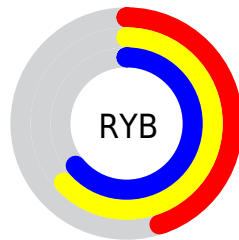
Distribution



Red (45%)

Green (64%)

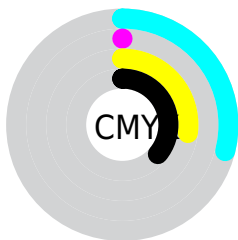
Blue (47%)



Red (45%)

Yellow (63%)

Blue (64%)

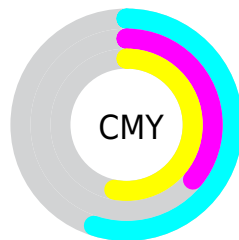


Cyan (29%)

Magenta (0%)

Yellow (27%)

Black (36%)



Cyan (55%)

Magenta (36%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6294, 31.2393, 22.2371 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 23.6294, 31.2393, 22.2371 by changing the saturation by 10% instead.

■ 23.6294, 31.2393,
22.2371

■ 23.6294, 31.2393,
22.2371

263.4168,
307.6393, 276.7758

■ 15.1822, 20.7811,
13.8312

■ 48.8838, 61.6166,
48.0448

■ 9.0345, 12.9641,
7.8660

■ 66.4218, 82.3046,
66.2837

■ 4.8210, 7.4038,
3.9228

■ 87.7207, 107.1713,
88.6373

■ 2.1763, 3.7159,
1.5831

113.1459,
136.6011, 115.5242

■ 0.7302, 1.5160,
0.2787

143.0627,
170.9784, 147.3630

■ 0.0000, 0.2999,
0.0000

177.8366,

■ 0.0000, 0.0000,

210.6876, 184.5722

0.0000

217.8329,
256.1131, 227.5702

■ 23.6294, 31.2393,
22.2371

■ 23.6294, 31.2393,
22.2371

■ 20.8058, 29.8821,
17.6992

■ 26.9820, 32.8540,
27.5692

■ 18.4820, 28.7655,
13.9157

■ 30.8861, 34.7344,
33.7288

■ 16.6294, 27.8764,
10.8463

■ 35.3660, 36.8931,
40.7498

■ 15.2157, 27.1993,
8.4460

■ 40.4436, 39.3408,
48.6635

■ 14.2047, 26.7165,
6.6651

■ 46.1399, 42.0876,
57.4997

■ 13.5540, 26.4073,
5.4467

■ 52.4746, 45.1432,
67.2868

■ 13.1891, 26.2349,
4.7224

■ 59.4668, 48.5168,
78.0521

■ 13.1548, 26.2184,
4.6662

■ 67.1346, 52.2171,
89.8217

■ 72.3878, 54.6756,
101.3459

Harmonies

Analogous

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



26.5114, 31.2393, 17.0247



23.6294, 31.2393, 22.2371



22.3823, 31.2393, 31.7434

Triad

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



23.6294, 31.2393, 22.2371



28.8881, 31.2393, 62.4896



37.6544, 31.2393, 25.4082

Complementary

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



23.6294, 31.2393, 22.2371



27.6959, 22.8160, 36.2032

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.



38.4416, 31.2393, 36.3910



23.6294, 31.2393, 22.2371



33.1174, 31.2393, 59.6667

Square

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



23.6294, 31.2393, 22.2371



25.2297, 31.2393, 56.3508



36.7119, 31.2393, 49.3526



34.6517, 31.2393, 18.5317

Rectangle

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



23.6294, 31.2393, 22.2371



22.5529, 31.2393, 39.9949



36.7119, 31.2393, 49.3526



38.1980, 31.2393, 28.6617

Sweetspot

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



23.6302, 31.2406, 22.2378



55.0641, 62.0842, 60.0128



30.8784, 34.9977, 21.6510



12.1352, 13.8321, 13.1138



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.6302, 31.2406, 22.2378



38.7719, 54.2411, 34.1362



25.1718, 31.8572, 30.3554



7.0030, 7.9020, 7.6278



10.2298, 20.3783, 3.6607



0.2201, 0.4303, 0.1042

Inverse Universe

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



27.6959, 22.8160, 36.2032



47.3307, 36.5007, 63.5315



25.8767, 22.0883, 26.6237



7.3447, 7.1943, 8.8017



16.1878, 7.8312, 23.9773



0.3456, 0.1667, 0.5325

Previews

White Background



This preview shows how the XYZ color 23.6294, 31.2393, 22.2371 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.6294, 31.2393, 22.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

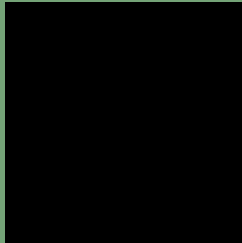
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.6294, 31.2393, 22.2371

Background



This preview shows how black text looks on a background with the XYZ color 23.6294, 31.2393, 22.2371.



This preview shows how white text looks on a background with the XYZ color 23.6294, 31.2393,

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

23.6294, 31.2393, 22.2371

Protanopia

29.0042, 31.0295, 20.3802

Deuteranopia

31.3797, 30.7948, 23.0290



Tritanopia

27.5073, 31.0015, 42.0702

Trichromacy



Original Color

23.6294, 31.2393, 22.2371

Protanomaly

26.5508, 30.7234, 21.0538

Deuteranomaly

28.0675, 30.7316, 22.8648

Tritanomaly

26.0101, 31.1682, 33.9233

Monochromacy



Original Color

23.6294, 31.2393, 22.2371

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.2713, 28.9508, 27.1778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6294, 31.2393, 22.2371 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(116, 163, 119)` looks like.

```
.text, #text, p{  
    color:rgb(116, 163, 119)  
}
```

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(116, 163, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 163, 119) }
```

Border

The CSS property to change the border of an element to XYZ 23.6294, 31.2393, 22.2371 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(116, 163, 119) }
```


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

```
.border{ border-color:rgb(116, 163, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 163, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 163, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 163, 119);  
box-shadow:4px 4px 4px 4px rgb(116, 163,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6294, 31.2393, 22.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 163, 119) }
```

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

```
.background{ background-color: rgb(116,  
163, 119) }
```

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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