

Converting Colors

XYZ(24.1556, 31.5660, 22.1602)

Have a look what the booklet for
XYZ(24.1556, 31.5660, 22.1602)
contains.

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Color

**XYZ(24.1727, 31.5194,
22.2626)**

Conversions

Conversions Part 1

Format	Color
Hex	78A377
RGB	120, 163, 119
RGB Percent	47%, 64%, 47%
CMY	0.5294, 0.3608, 0.5333
CMYK	0.26, 0.00, 0.27, 0.36
HSL	119°, 19%, 55%
HSV	119°, 27%, 64%
XYZ	24.1727, 31.5194, 22.2626
YIQ	145.1270, -11.5040, -22.8000

Conversions

Conversions Part 2

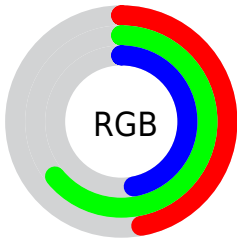
Format	Color
RYB	119, 163, 162
Decimal	7906167
CIELab	62.94, -23.49, 18.29
CIELCh	63, 29.767, 142.100
Yxy	31.5194, 0.3101, 0.4043
Android (android.graphics.Color)	4286096247 (0xFF78A377)
YUV	145.1270, -12.8806, -22.0364
Hunter-Lab	56.1421, -21.3933, 15.7886

Details

The XYZ color **24.1727, 31.5194, 22.2626** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.1094, 23.5204, 37.7104**, and the grayscale version is **27.0200, 28.4272, 30.9572**.

A 20% lighter version of the original color is **49.6557, 61.9673, 47.8718**, and **9.3157, 13.1132, 7.8345** is the 20% darker color. If you saturate the color by 10%, you get **21.2481, 30.1162, 17.4466**, and if you desaturate by 10%, it is **27.6344, 33.1819, 27.9816**.

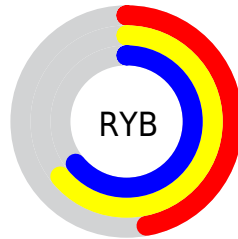
Distribution



Red (47%)

Green (64%)

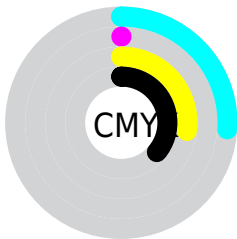
Blue (47%)



Red (47%)

Yellow (64%)

Blue (64%)

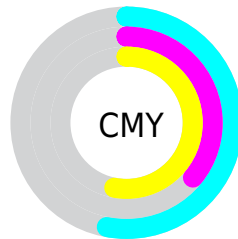


Cyan (26%)

Magenta (0%)

Yellow (27%)

Black (36%)



Cyan (53%)

Magenta (36%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1727, 31.5194, 22.2626 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 24.1727, 31.5194, 22.2626 by changing the saturation by 10% instead.

■ 24.1727, 31.5194,
22.2626

■ 24.1727, 31.5194,
22.2626

266.1167,
308.9241, 276.9127

■ 15.5872, 20.9947,
13.8498

■ 49.7645, 62.0569,
48.0874

■ 9.3215, 13.1201,
7.8787

■ 67.5015, 82.8385,
66.3365

■ 5.0103, 7.5113,
3.9308

■ 89.0198, 107.8078,
88.7014

■ 2.2881, 3.7839,
1.5875

114.6846,
137.3492, 115.6007

■ 0.7886, 1.5534,
0.2818

144.8613,
171.8471, 147.4530

■ 0.0000, 0.3259,
0.0000

179.9154,

■ 0.0000, 0.0000,

211.6860, 184.6767

0.0000

220.2121,
257.2502, 227.6904

■ 24.1727, 31.5194,
22.2626

■ 24.1727, 31.5194,
22.2626

■ 21.2481, 30.1162,
17.4466

■ 27.6344, 33.1819,
27.9816

■ 18.8315, 28.9556,
13.4855

■ 31.6557, 35.1117,
34.6441

■ 16.8947, 28.0249,
10.3299

■ 36.2607, 37.3212,
42.2908

■ 15.4056, 27.3090,
7.9247

■ 41.4714, 39.8209,
50.9595

■ 14.3284, 26.7906,
6.2076

■ 47.3087, 42.6209,
60.6858

■ 13.6218, 26.4499,
5.1066

■ 53.7923, 45.7306,
71.5036

■ 13.2309, 26.2612,
4.5123

■ 60.9414, 49.1592,
83.4455

■ 13.1442, 26.2196,
4.3681

■ 68.7740, 52.9153,
96.5425

■ 72.3878, 54.6757,
101.3459

Harmonies

Analogous

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



27.0966, 31.5194, 17.3987



24.1727, 31.5194, 22.2626



22.8260, 31.5194, 31.3166

Triad

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



24.1727, 31.5194, 22.2626



28.8906, 31.5194, 61.8025



37.8492, 31.5194, 26.5258

Complementary

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



24.1727, 31.5194, 22.2626



28.1094, 23.5204, 37.7104

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.



38.4401, 31.5194, 37.5080



24.1727, 31.5194, 22.2626



33.0146, 31.5194, 59.6945

Square

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



24.1727, 31.5194, 22.2626



25.3835, 31.5194, 55.3295



36.6003, 31.5194, 50.0923



35.0520, 31.5194, 19.4415

Rectangle

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



24.1727, 31.5194, 22.2626



22.9095, 31.5194, 39.2589



36.6003, 31.5194, 50.0923



38.3221, 31.5194, 29.8124

Sweetspot

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



24.1735, 31.5207, 22.2633



55.8067, 62.4553, 60.5765



31.2738, 34.7967, 22.5214



12.2882, 13.9093, 13.1978



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.



24.1735, 31.5207, 22.2633



40.2424, 54.9850, 34.8465



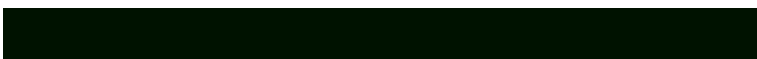
25.4053, 31.9975, 29.4690



6.9997, 7.9023, 7.5365



10.2203, 20.3792, 3.3949



0.2190, 0.4304, 0.0715

Inverse Universe

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



28.1094, 23.5204, 37.7104



48.4113, 38.3768, 66.9120



26.6198, 22.9481, 28.8027



7.3484, 7.1939, 8.9043



16.3018, 7.8103, 27.5781



0.3472, 0.1665, 0.5797

Previews

White Background



This preview shows how the XYZ color 24.1727, 31.5194, 22.2626 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 24.1727, 31.5194, 22.2626 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 24.1727, 31.5194, 22.2626

Background



This preview shows how black text looks on a background with the XYZ color 24.1727, 31.5194, 22.2626.



This preview shows how white text looks on a background with the XYZ color 24.1727, 31.5194,

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

24.1727, 31.5194, 22.2626

Protanopia

29.3698, 31.4579, 20.4436

Deuteranopia

31.7585, 31.2179, 23.0907



Tritanopia

28.1032, 31.3086, 42.0981

Trichromacy



Original Color

24.1727, 31.5194, 22.2626

Protanomaly

27.0735, 31.2409, 21.1262

Deuteranomaly

28.4514, 30.9295, 22.8828

Tritanomaly

26.5882, 31.4663, 33.9504

Monochromacy



Original Color

24.1727, 31.5194, 22.2626

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.8255, 29.4683, 27.6194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1727, 31.5194, 22.2626 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(120, 163, 119)` looks like.

```
.text, #text, p{  
    color:rgb(120, 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(120, 163, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 163, 119) }
```

Border

The CSS property to change the border of an element to XYZ 24.1727, 31.5194, 22.2626 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(120, 163, 119) }
```


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

```
.border{ border-color:rgb(120, 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(120, 163, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 163, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 163, 119);  
box-shadow:4px 4px 4px 4px rgb(120, 163,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1727, 31.5194, 22.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 163, 119) }
```

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

```
.background{ background-color: rgb(120,  
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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