

Converting Colors

XYZ(24.2738, 29.5394, 20.0371)

Have a look what the booklet for
XYZ(24.2738, 29.5394, 20.0371)
contains.

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Color

**XYZ(24.2177, 29.5405,
20.0483)**

Conversions

Conversions Part 1

Format	Color
Hex	849B71
RGB	132, 155, 113
RGB Percent	52%, 61%, 44%
CMY	0.4824, 0.3921, 0.5569
CMYK	0.15, 0.00, 0.27, 0.39
HSL	93°, 17%, 53%
HSV	93°, 27%, 61%
XYZ	24.2177, 29.5405, 20.0483
YIQ	143.3350, -0.2260, -17.9380

Conversions

Conversions Part 2

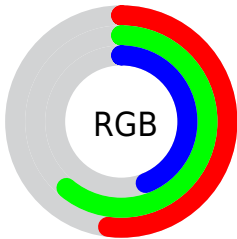
Format	Color
RYB	113, 155, 136
Decimal	8690545
CIELab	61.26, -16.02, 19.42
CIELCh	61, 25.172, 129.516
Yxy	29.5405, 0.3281, 0.4002
Android (android.graphics.Color)	4286880625 (0xFF849B71)
YUV	143.3350, -14.9552, -9.9408
Hunter-Lab	54.3512, -15.5788, 16.1758

Details

The XYZ color **24.2177, 29.5405, 20.0483** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.9762, 19.4119, 33.6006**, and the grayscale version is **26.3010, 27.6707, 30.1334**.

A 20% lighter version of the original color is **49.5996, 58.6318, 44.3002**, and **9.3841, 12.0761, 6.8374** is the 20% darker color. If you saturate the color by 10%, you get **22.1448, 28.5651, 15.7787**, and if you desaturate by 10%, it is **26.5493, 30.6338, 25.1093**.

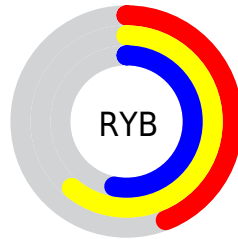
Distribution



Red (52%)

Green (61%)

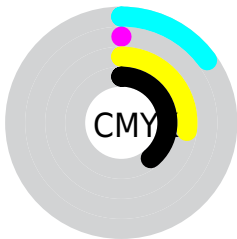
Blue (44%)



Red (44%)

Yellow (61%)

Blue (53%)

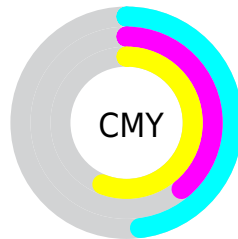


Cyan (15%)

Magenta (0%)

Yellow (27%)

Black (39%)



Cyan (48%)

Magenta (39%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2177, 29.5405, 20.0483 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 24.2177, 29.5405, 20.0483 by changing the saturation by 10% instead.

■ 24.2177, 29.5405,
20.0483

■ 24.2177, 29.5405,
20.0483

266.3393,
299.7567, 264.7894

■ 15.6208, 19.4901,
12.2457

■ 49.8373, 58.9347,
44.3582

■ 9.3454, 12.0249,
6.7867

■ 67.5907, 79.0474,
61.7026

■ 5.0260, 6.7607,
3.2526

■ 89.1271, 103.2828,
83.0647

■ 2.2975, 3.3129,
1.2250

■ 114.8116,
132.0255, 108.8630

■ 0.7934, 1.2972,
0.0000

145.0098,
165.6599, 139.5161

■ 0.0000, 0.1390,
0.0000

180.0869,

■ 0.0000, 0.0000,

204.5703, 175.4425

0.0000

220.4083,
249.1411, 217.0607

■ 24.2177, 29.5405,
20.0483

■ 24.2177, 29.5405,
20.0483

■ 22.1448, 28.5651,
15.7787

■ 26.5493, 30.6338,
25.1093

■ 20.3181, 27.6995,
12.2585

■ 29.1467, 31.8452,
30.9970

■ 18.7276, 26.9401,
9.4449

■ 32.0198, 33.1799,
37.7468

■ 17.3613, 26.2821,
7.2899

■ 35.1770, 34.6415,
45.3915

■ 16.2061, 25.7197,
5.7395

■ 38.6264, 36.2337,
53.9622

■ 15.2472, 25.2467,
4.7313

■ 42.3760, 37.9597,
63.4884

■ 14.4623, 24.8538,
4.1642

■ 46.4331, 39.8227,
73.9986

■ 14.2559, 24.7502,
4.0259

■ 50.8050, 41.8260,
85.5198

■ 55.4985, 43.9726,
98.0780

Harmonies

Analogous

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



27.0378, 29.5405, 17.3240



24.2177, 29.5405, 20.0483



22.5252, 29.5405, 26.1960

Triad

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



24.2177, 29.5405, 20.0483



25.9076, 29.5405, 52.4492



34.8367, 29.5405, 29.2431

Complementary

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



24.2177, 29.5405, 20.0483



21.9762, 19.4119, 33.6006

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.



34.4743, 29.5405, 38.9772



24.2177, 29.5405, 20.0483



29.1432, 29.5405, 53.7089

Square

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



24.2177, 29.5405, 20.0483



23.4463, 29.5405, 45.2186



32.3267, 29.5405, 48.3826



33.2813, 29.5405, 21.9009

Rectangle

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



24.2177, 29.5405, 20.0483



22.1795, 29.5405, 32.0108



32.3267, 29.5405, 48.3826



34.9377, 29.5405, 32.3189

Sweetspot

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



24.2185, 29.5418, 20.0489



51.6805, 56.7884, 54.3214



25.2193, 25.6018, 19.2357



11.5419, 12.7813, 11.9381



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



24.2185, 29.5418, 20.0489



40.8886, 51.7357, 30.7421



21.5924, 28.1788, 20.3407



6.3842, 7.0555, 6.6312



11.4927, 19.9006, 3.2355



0.2129, 0.3187, 0.0503

Inverse Universe

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



21.9762, 19.4119, 33.6006



36.1331, 30.2589, 59.4724



25.2234, 21.0994, 33.1422



6.1915, 6.1846, 7.7964



7.7974, 3.4708, 25.1667



0.1585, 0.0735, 0.3782

Previews

White Background



This preview shows how the XYZ color 24.2177, 29.5405, 20.0483 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 24.2177, 29.5405, 20.0483 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 24.2177, 29.5405, 20.0483

Background



This preview shows how black text looks on a background with the XYZ color 24.2177, 29.5405, 20.0483.



This preview shows how white text looks on a background with the XYZ color 24.2177, 29.5405,

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

24.2177, 29.5405, 20.0483

Protanopia

27.3487, 29.2623, 18.9586

Deuteranopia

30.0590, 29.4912, 20.6311



Tritanopia

27.8279, 29.5571, 37.9566

Trichromacy



Original Color

24.2177, 29.5405, 20.0483

Protanomaly

26.1700, 29.3500, 19.3247

Deuteranomaly

27.6288, 29.3743, 20.4333

Tritanomaly

26.2540, 29.3811, 30.6729

Monochromacy



Original Color

24.2177, 29.5405, 20.0483

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.2460, 28.0223, 25.9080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2177, 29.5405, 20.0483 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(132, 155, 113)` looks like.

```
.text, #text, p{  
    color:rgb(132, 155, 113)  
}
```

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(132, 155, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 155, 113) }
```

Border

The CSS property to change the border of an element to XYZ 24.2177, 29.5405, 20.0483 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(132, 155, 113) }
```


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

```
.border{ border-color:rgb(132, 155, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 155, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 155, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 155, 113);  
box-shadow:4px 4px 4px 4px rgb(132, 155,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2177, 29.5405, 20.0483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 155, 113) }
```

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

```
.background{ background-color: rgb(132,  
155, 113) }
```

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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