

Converting Colors

XYZ(24.1379, 27.9325, 20.7929)

Have a look what the booklet for
XYZ(24.1379, 27.9325, 20.7929)
contains.

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Color

**XYZ(24.2164, 28.0742,
20.6655)**

Conversions

Conversions Part 1

Format	Color
Hex	899574
RGB	137, 149, 116
RGB Percent	54%, 58%, 45%
CMY	0.4627, 0.4157, 0.5451
CMYK	0.08, 0.00, 0.22, 0.42
HSL	82°, 13%, 52%
HSV	82°, 22%, 58%
XYZ	24.2164, 28.0742, 20.6655
YIQ	141.6500, 3.4410, -12.8070

Conversions

Conversions Part 2

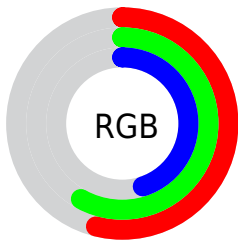
Format	Color
R_{YB}	116, 149, 128
Decimal	9016692
CIE _{Lab}	59.96, -10.42, 16.02
CIE _{LCh}	60, 19.111, 123.036
Yxy	28.0742, 0.3319, 0.3848
Android (android.graphics.Color)	4287206772 (0xFF899574)
YUV	141.6500, -12.6454, -4.0780
Hunter-Lab	52.9851, -11.1420, 13.9650

Details

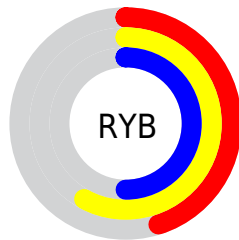
The XYZ color **24.2164, 28.0742, 20.6655** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.5733, 19.2506, 31.0666**, and the grayscale version is **25.6209, 26.9552, 29.3542**.

A 20% lighter version of the original color is **49.9097, 56.6154, 45.3431**, and **9.3416, 11.1790, 7.1342** is the 20% darker color. If you saturate the color by 10%, you get **22.5524, 27.3095, 16.4205**, and if you desaturate by 10%, it is **26.0656, 28.9200, 25.6461**.

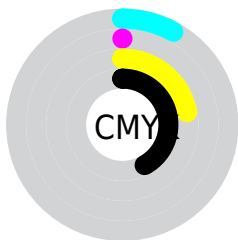
Distribution



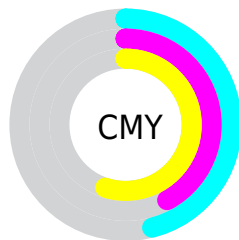
- Red (54%)
- Green (58%)
- Blue (45%)



- Red (45%)
- Yellow (58%)
- Blue (50%)



- Cyan (8%)
- Magenta (0%)
- Yellow (22%)
- Black (42%)



- Cyan (46%)
- Magenta (42%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2164, 28.0742, 20.6655 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 24.2164, 28.0742, 20.6655 by changing the saturation by 10% instead.

■ 24.2164, 28.0742,
20.6655

■ 24.2164, 28.0742,
20.6655

266.3329,
292.8213, 268.2178

■ 15.6198, 18.3816,
12.6909

■ 49.8352, 56.6029,
45.4037

■ 9.3447, 11.2243,
7.0878

■ 67.5882, 76.2078,
63.0044

■ 5.0256, 6.2179,
3.4378

■ 89.1240, 99.8855,
84.6507

■ 2.2972, 2.9780,
1.3223

114.8079,
128.0205, 110.7614

■ 0.7932, 1.1203,
0.0800

145.0055,
160.9972, 141.7549

■ 0.0000, 0.0000,
0.0000

180.0819,

199.2000, 178.0498

220.4026,
243.0132, 220.0646

■ 24.2164, 28.0742,
20.6655

■ 24.2164, 28.0742,
20.6655

■ 22.5524, 27.3095,
16.4205

■ 26.0656, 28.9200,
25.6461

■ 21.0640, 26.6191,
12.8743

■ 28.1046, 29.8461,
31.3930

■ 19.7443, 26.0012,
9.9900

■ 30.3405, 30.8562,
37.9375

■ 18.5846, 25.4523,
7.7261

■ 32.7794, 31.9529,
45.3083

■ 17.5756, 24.9685,
6.0369

■ 35.4271, 33.1385,
53.5331

■ 16.7067, 24.5455,
4.8700

■ 38.2892, 34.4154,
62.6380

■ 15.9655, 24.1782,
4.1636

■ 41.3711, 35.7858,
72.6481

■ 15.4478, 23.9189,
3.8026

■ 44.6778, 37.2518,
83.5875

■ 48.2143, 38.8154,
95.4793

Harmonies

Analogous

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



26.4369, 28.0742, 19.0570



24.2164, 28.0742, 20.6655



22.7317, 28.0742, 24.8926

Triad

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



24.2164, 28.0742, 20.6655



24.6205, 28.0742, 44.1147



31.6273, 28.0742, 29.8647

Complementary

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



24.2164, 28.0742, 20.6655



20.5733, 19.2506, 31.0666

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.



31.0690, 28.0742, 37.0465



24.2164, 28.0742, 20.6655



26.9320, 28.0742, 45.9741

Square

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



24.2164, 28.0742, 20.6655



22.9549, 28.0742, 38.4597



29.3131, 28.0742, 43.2157



30.7959, 28.0742, 23.8372

Rectangle

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



24.2164, 28.0742, 20.6655



22.3089, 28.0742, 28.9740



29.3131, 28.0742, 43.2157



31.5960, 28.0742, 32.2195

Sweetspot

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



24.2171, 28.0754, 20.6661



48.4625, 52.6011, 50.9039



23.2084, 22.9726, 19.7343



10.6992, 11.6386, 11.1664



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.



24.2171, 28.0754, 20.6661



41.7179, 49.5191, 32.7440



21.7788, 26.8184, 20.5520



6.0629, 6.6403, 6.2026



13.0341, 20.1472, 3.2018



0.1920, 0.2633, 0.0407

Inverse Universe

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



20.5733, 19.2506, 31.0666



33.9083, 30.6016, 55.0408



23.1815, 20.5952, 31.1887



5.6868, 5.7295, 7.2759



5.8851, 2.5064, 24.1046



0.1023, 0.0463, 0.2964

Previews

White Background



This preview shows how the XYZ color 24.2164, 28.0742, 20.6655 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 24.2164, 28.0742, 20.6655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

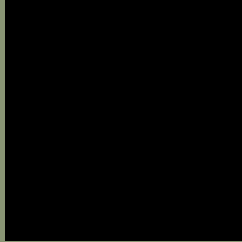
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.2164, 28.0742, 20.6655

Background



This preview shows how black text looks on a background with the XYZ color 24.2164, 28.0742, 20.6655.



This preview shows how white text looks on a background with the XYZ color 24.2164, 28.0742,

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

24.2164, 28.0742, 20.6655

Protanopia

26.3369, 28.0314, 19.9421

Deuteranopia

28.4390, 27.9887, 21.0430



Tritanopia

27.2173, 28.1527, 35.0099

Trichromacy



Original Color

24.2164, 28.0742, 20.6655

Protanomaly

25.5861, 28.0915, 20.2933

Deuteranomaly

26.7436, 27.9972, 20.8241

Tritanomaly

26.0711, 28.1436, 29.2575

Monochromacy



Original Color

24.2164, 28.0742, 20.6655

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.1743, 27.5197, 26.1753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2164, 28.0742, 20.6655 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(137, 149, 116)` looks like.

```
.text, #text, p{  
    color:rgb(137, 149, 116)  
}
```

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(137, 149, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 149, 116) }
```

Border

The CSS property to change the border of an element to XYZ 24.2164, 28.0742, 20.6655 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(137, 149, 116) }
```


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

```
.border{ border-color:rgb(137, 149, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 149, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 149, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 149, 116);  
box-shadow:4px 4px 4px 4px rgb(137, 149,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2164, 28.0742, 20.6655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 149, 116) }
```

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

```
.background{ background-color: rgb(137,  
149, 116) }
```

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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