

Converting Colors

XYZ(21.3007, 24.7761, 9.4539)

Have a look what the booklet for
XYZ(21.3007, 24.7761, 9.4539)
contains.

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Color

**XYZ(21.2988, 24.7738,
9.4536)**

Conversions

Conversions Part 1

Format	Color
Hex	8C8C46
RGB	140, 140, 70
RGB Percent	55%, 55%, 27%
CMY	0.4510, 0.4510, 0.7255
CMYK	0.00, 0.00, 0.50, 0.45
HSL	60°, 33%, 41%
HSV	60°, 50%, 55%
XYZ	21.2988, 24.7738, 9.4536
YIQ	132.0200, 22.4700, -21.7700

Conversions

Conversions Part 2

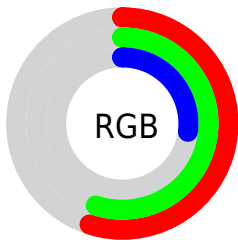
Format	Color
RYB	70, 140, 70
Decimal	9210950
CIELab	56.85, -10.33, 37.05
CIElCh	57, 38.463, 105.578
Yxy	24.7738, 0.3836, 0.4462
Android (android.graphics.Color)	4287401030 (0xFF8C8C46)
YUV	132.0200, -30.5759, 6.9985
Hunter-Lab	49.7733, -10.7202, 23.5802

Details

The XYZ color **21.2988, 24.7738, 9.4536** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.4504, 7.5764, 25.7767**, and the grayscale version is **22.0410, 23.1889, 25.2527**.

A 20% lighter version of the original color is **44.9658, 51.0981, 25.2623**, and **7.8255, 9.4450, 2.1697** is the 20% darker color. If you saturate the color by 10%, you get **20.9076, 24.6182, 7.3914**, and if you desaturate by 10%, it is **21.7943, 24.9729, 12.0596**.

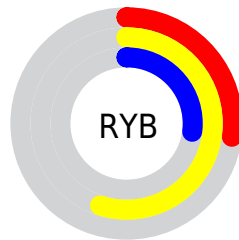
Distribution



Red (55%)

Green (55%)

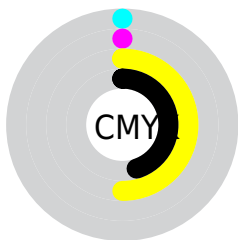
Blue (27%)



Red (27%)

Yellow (55%)

Blue (27%)

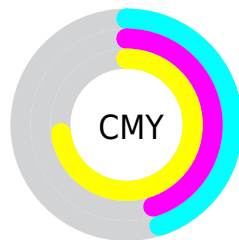


Cyan (0%)

Magenta (0%)

Yellow (50%)

Black (45%)



Cyan (45%)

Magenta (45%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2988, 24.7738, 9.4536 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 21.2988, 24.7738, 9.4536 by changing the saturation by 10% instead.

■ 21.2988, 24.7738,
9.4536

■ 21.2988, 24.7738,
9.4536

251.5640,
276.7096, 197.0676

■ 13.4563, 15.9086,
4.9374

■ 45.0718, 51.2900,
25.3541

■ 7.8227, 9.4595,
2.1525

■ 61.7331, 69.7098,
37.5755

■ 4.0325, 5.0421,
0.6467

■ 82.0646, 92.0833,
53.2024

■ 1.7206, 2.2720,
0.0000

■ 106.4318,
118.7949, 72.6532

■ 0.4691, 0.7588,
0.0000

■ 135.1999,
150.2289, 96.3466

■ 0.0000, 0.0000,
0.0000

168.7345,

186.7697, 124.7011

207.4007,
228.8018, 158.1353

■ 21.2988, 24.7738,
9.4536

■ 21.2988, 24.7738,
9.4536

■ 20.9076, 24.6182,
7.3914

■ 21.7943, 24.9729,
12.0596

■ 20.6115, 24.4998,
5.8332

■ 22.3988, 25.2147,
15.2423

■ 20.4031, 24.4164,
4.7361

■ 23.1190, 25.5028,
19.0342

■ 20.2726, 24.3642,
4.0498

■ 23.9605, 25.8394,
23.4645

■ 20.1932, 24.3324,
3.6323

■ 24.9284, 26.2266,
28.5608

■ 20.1932, 24.3324,
3.6323

■ 26.0277, 26.6664,
34.3490

■ 27.2631, 27.1605,
40.8536

■ 28.6389, 27.7109,
48.0980

■ 30.1594, 28.3191,
56.1043

Harmonies

Analogous

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



25.7681, 24.7738, 9.3894



21.2988, 24.7738, 9.4536



17.8921, 24.7738, 13.0822

Triad

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



21.2988, 24.7738, 9.4536



17.9951, 24.7738, 48.8243



32.9596, 24.7738, 33.6287

Complementary

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



21.2988, 24.7738, 9.4536



9.4504, 7.5764, 25.7767

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.



30.2825, 24.7738, 48.3012



21.2988, 24.7738, 9.4536



21.4569, 24.7738, 58.7933

Square

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



21.2988, 24.7738, 9.4536



16.1570, 24.7738, 34.1911



25.9476, 24.7738, 58.5760



32.9031, 24.7738, 20.8522

Rectangle

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



21.2988, 24.7738, 9.4536



16.5146, 24.7738, 17.9717



25.9476, 24.7738, 58.5760



32.3360, 24.7738, 38.5713

Sweetspot

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



21.2994, 24.7749, 9.4541



41.4253, 45.2272, 37.0713



14.1117, 10.3986, 7.0580



9.4829, 10.3965, 8.2132



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.2994, 24.7749, 9.4541



36.7839, 43.3705, 12.6356



16.3102, 22.2029, 9.2206



5.4310, 5.8449, 5.3943



17.9415, 21.6192, 3.2273



0.1192, 0.1436, 0.0214

Inverse Universe

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



9.4504, 7.5764, 25.7767



13.3946, 9.4216, 44.8555



12.7502, 9.2776, 25.9311



4.7747, 4.8923, 6.2985



4.2061, 1.6825, 22.1487



0.0279, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 21.2988, 24.7738, 9.4536 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 21.2988, 24.7738, 9.4536 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 21.2988, 24.7738, 9.4536

Background



This preview shows how black text looks on a background with the XYZ color 21.2988, 24.7738, 9.4536.



This preview shows how white text looks on a background with the XYZ color 21.2988, 24.7738,

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

21.2988, 24.7738, 9.4536

Protanopia

22.6408, 24.6173, 9.1885

Deuteranopia

25.1216, 24.6618, 9.7395



Tritanopia

25.3465, 24.7514, 29.0328

Trichromacy



Original Color

21.2988, 24.7738, 9.4536

Protanomaly

22.0525, 24.5240, 9.2015

Deuteranomaly

23.5994, 24.6862, 9.6520

Tritanomaly

23.4934, 24.6086, 20.0347

Monochromacy



Original Color

21.2988, 24.7738, 9.4536

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.4160, 23.5830, 17.8912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2988, 24.7738, 9.4536 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(140, 140, 70)` looks like.

```
.text, #text, p{  
    color:rgb(140, 140, 70)  
}
```

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(140, 140, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 140, 70) }
```

Border

The CSS property to change the border of an element to XYZ 21.2988, 24.7738, 9.4536 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(140, 140, 70) }
```


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

```
.border{ border-color:rgb(140, 140, 70) }
```

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

Here you see how a box with a 4 pixel rgb(140, 140, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 140, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 140, 70);  
box-shadow:4px 4px 4px 4px rgb(140, 140,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2988, 24.7738, 9.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 140, 70) }
```

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

```
.background{ background-color: rgb(140,  
140, 70) }
```

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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