

Converting Colors

XYZ(20.2061, 24.7545, 9.6282)

Have a look what the booklet for
XYZ(20.2061, 24.7545, 9.6282)
contains.

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Color

**XYZ(20.1704, 24.6262,
9.6515)**

Conversions

Conversions Part 1

Format	Color
Hex	838E47
RGB	131, 142, 71
RGB Percent	51%, 56%, 28%
CMY	0.4863, 0.4431, 0.7216
CMYK	0.08, 0.00, 0.50, 0.44
HSL	69°, 33%, 42%
HSV	69°, 50%, 56%
XYZ	20.1704, 24.6262, 9.6515
YIQ	130.6170, 16.2350, -24.4130

Conversions

Conversions Part 2

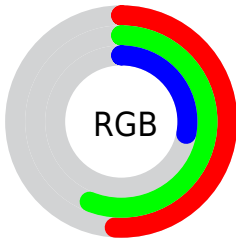
Format	Color
RYB	71, 142, 82
Decimal	8621639
CIELab	56.71, -15.17, 36.19
CIELCh	57, 39.236, 112.738
Yxy	24.6262, 0.3705, 0.4523
Android (android.graphics.Color)	4286811719 (0xFF838E47)
YUV	130.6170, -29.3912, 0.3359
Hunter-Lab	49.6248, -14.2906, 23.2061

Details

The XYZ color **20.1704, 24.6262, 9.6515** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.6163, 8.2539, 26.6262**, and the grayscale version is **21.5347, 22.6562, 24.6726**.

A 20% lighter version of the original color is **43.1987, 51.1746, 25.6900**, and **7.2901, 9.4216, 2.2449** is the 20% darker color. If you saturate the color by 10%, you get **19.4299, 24.2919, 7.5098**, and if you desaturate by 10%, it is **21.0259, 25.0091, 12.3556**.

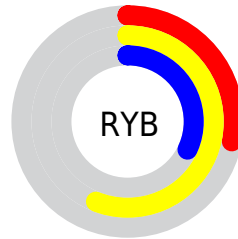
Distribution



Red (51%)

Green (56%)

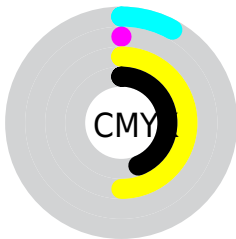
Blue (28%)



Red (28%)

Yellow (56%)

Blue (32%)

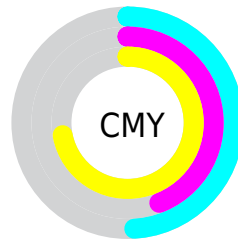


Cyan (8%)

Magenta (0%)

Yellow (50%)

Black (44%)



Cyan (49%)

Magenta (44%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1704, 24.6262, 9.6515 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 20.1704, 24.6262, 9.6515 by changing the saturation by 10% instead.

■ 20.1704, 24.6262,
9.6515

■ 20.1704, 24.6262,
9.6515

245.6521,
275.9712, 198.5599

■ 12.6280, 15.7988,
5.0659

■ 43.2045, 51.0502,
25.7354

■ 7.2481, 9.3819,
2.2266

■ 59.4268, 69.4155,
38.0708

■ 3.6654, 4.9911,
0.6896

■ 79.2731, 91.7289,
53.8266

■ 1.5147, 2.2420,
0.0000

■ 103.1088,
118.3748, 73.4213

■ 0.3358, 0.7428,
0.0000

■ 131.2991,
149.7376, 97.2734

■ 0.0000, 0.0000,
0.0000

164.2096,

186.2017, 125.8016

202.2055,
228.1514, 159.4242

■ 20.1704, 24.6262,
9.6515

■ 20.1704, 24.6262,
9.6515

■ 19.4299, 24.2919,
7.5098

■ 21.0259, 25.0091,
12.3556

■ 18.7950, 23.9998,
5.8892

■ 22.0014, 25.4399,
15.6564

■ 18.2577, 23.7476,
4.7454

■ 23.1038, 25.9223,
19.5872

■ 17.8081, 23.5313,
4.0260

■ 24.3389, 26.4587,
24.1786

■ 17.4187, 23.3399,
3.5870

■ 25.7123, 27.0513,
29.4590

■ 17.4187, 23.3399,
3.5870

■ 27.2289, 27.7020,
35.4552

■ 28.8938, 28.4129,
42.1926

■ 30.7115, 29.1857,
49.6954

■ 32.6864, 30.0224,
57.9865

Harmonies

Analogous

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



24.5354, 24.6262, 8.7906



20.1704, 24.6262, 9.6515



17.0840, 24.6262, 14.2764

Triad

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



20.1704, 24.6262, 9.6515



18.4771, 24.6262, 52.2567



33.2547, 24.6262, 30.1239

Complementary

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



20.1704, 24.6262, 9.6515



10.6163, 8.2539, 26.6262

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.



31.1232, 24.6262, 45.1283



20.1704, 24.6262, 9.6515



22.3127, 24.6262, 60.3447

Square

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



20.1704, 24.6262, 9.6515



16.1988, 24.6262, 37.7695



26.9714, 24.6262, 57.3812



32.4864, 24.6262, 18.2123

Rectangle

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



20.1704, 24.6262, 9.6515



15.9752, 24.6262, 20.0151



26.9714, 24.6262, 57.3812



32.8451, 24.6262, 35.0001

Sweetspot

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



20.1710, 24.6273, 9.6520



41.7306, 46.1407, 38.1857



15.2845, 12.1883, 7.5086



9.2321, 10.2672, 8.2014



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.



20.1710, 24.6273, 9.6520



34.1115, 42.7661, 12.8369



15.6193, 22.2808, 9.4390



5.7586, 6.2437, 5.7910



15.6510, 20.9610, 3.2210



0.1640, 0.2078, 0.0315

Inverse Universe

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



10.6163, 8.2539, 26.6262



15.2879, 10.4665, 46.3423



14.4928, 10.2524, 26.8076



5.2026, 5.2926, 6.7761



4.6918, 1.9123, 23.0989



0.0568, 0.0244, 0.2214

Previews

White Background



This preview shows how the XYZ color 20.1704, 24.6262, 9.6515 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 20.1704, 24.6262, 9.6515 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 20.1704, 24.6262, 9.6515

Background



This preview shows how black text looks on a background with the XYZ color 20.1704, 24.6262, 9.6515.



This preview shows how white text looks on a background with the XYZ color 20.1704, 24.6262,

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

20.1704, 24.6262, 9.6515

Protanopia

22.4560, 24.5220, 9.1799

Deuteranopia

24.9445, 24.5667, 9.9057



Tritanopia

24.2066, 24.5528, 29.8489

Trichromacy



Original Color

20.1704, 24.6262, 9.6515

Protanomaly

21.5217, 24.4588, 9.3811

Deuteranomaly

22.8646, 24.3035, 9.7893

Tritanomaly

22.3099, 24.4099, 20.3653

Monochromacy



Original Color

20.1704, 24.6262, 9.6515

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.7844, 23.2574, 17.8617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1704, 24.6262, 9.6515 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(131, 142, 71)` looks like.

```
.text, #text, p{  
    color:rgb(131, 142, 71)  
}
```

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(131, 142, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 142, 71) }
```

Border

The CSS property to change the border of an element to XYZ 20.1704, 24.6262, 9.6515 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(131, 142, 71) }
```


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

```
.border{ border-color:rgb(131, 142, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 142, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 142, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 142, 71);  
box-shadow:4px 4px 4px 4px rgb(131, 142,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1704, 24.6262, 9.6515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 142, 71) }
```

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

```
.background{ background-color: rgb(131,  
142, 71) }
```

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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