

Converting Colors

XYZ(20.5213, 24.6056, 16.4763)

Have a look what the booklet for
XYZ(20.5213, 24.6056, 16.4763)
contains.

XYZ(20.5786, 24.6852, 16.5121)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.5786, 24.6852,
16.5121)**

Conversions

Conversions Part 1

Format	Color
Hex	7D8E67
RGB	125, 142, 103
RGB Percent	49%, 56%, 40%
CMY	0.5098, 0.4431, 0.5961
CMYK	0.12, 0.00, 0.27, 0.44
HSL	86°, 16%, 48%
HSV	86°, 27%, 56%
XYZ	20.5786, 24.6852, 16.5121
YIQ	132.4710, 2.3870, -15.7330

Conversions

Conversions Part 2

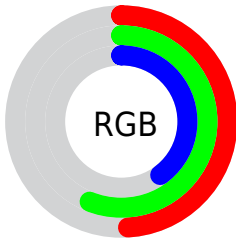
Format	Color
R_{YB}	103, 142, 120
Decimal	8228455
CIE Lab	56.77, -13.42, 18.81
CIE LCh	57, 23.102, 125.504
Yxy	24.6852, 0.3331, 0.3996
Android (android.graphics.Color)	4286418535 (0xFF7D8E67)
YUV	132.4710, -14.5292, -6.5521
Hunter-Lab	49.6842, -13.0148, 15.0744

Details

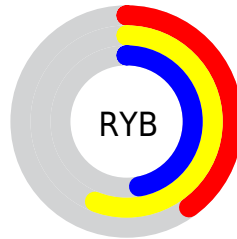
The XYZ color **20.5786, 24.6852, 16.5121** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.4795, 15.6473, 27.6914**, and the grayscale version is **22.1532, 23.3069, 25.3812**.

A 20% lighter version of the original color is **43.9328, 51.2779, 38.1540**, and **7.5214, 9.4763, 5.1741** is the 20% darker color. If you saturate the color by 10%, you get **19.0500, 23.9734, 13.0308**, and if you desaturate by 10%, it is **22.2859, 25.4766, 20.6348**.

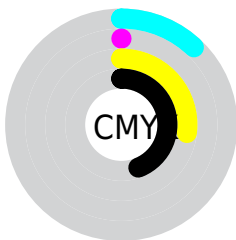
Distribution



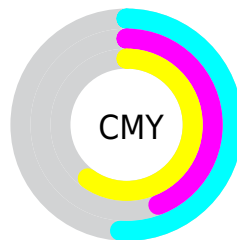
- Red (49%)
- Green (56%)
- Blue (40%)



- Red (40%)
- Yellow (56%)
- Blue (47%)



- Cyan (12%)
- Magenta (0%)
- Yellow (27%)
- Black (44%)



- Cyan (51%)
- Magenta (44%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5786, 24.6852, 16.5121 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 20.5786, 24.6852, 16.5121 by changing the saturation by 10% instead.

■ 20.5786, 24.6852,
16.5121

■ 20.5786, 24.6852,
16.5121

247.8047,
276.2666, 244.2929

■ 12.9270, 15.8427,
9.7290

■ 43.8817, 51.1461,
38.2641

■ 7.4550, 9.4129,
5.1164

■ 60.2640, 69.5332,
54.0700

■ 3.7971, 5.0115,
2.2558

■ 80.2872, 91.8706,
73.7206

■ 1.5880, 2.2540,
0.7063

■ 104.3167,
118.5428, 97.6344

■ 0.3846, 0.7492,
0.0000

132.7178,
149.9341, 126.2301

■ 0.0000, 0.0000,
0.0000

165.8560,

186.4289, 159.9260

204.0965,
228.4116, 199.1407

■ 20.5786, 24.6852,
16.5121

■ 20.5786, 24.6852,
16.5121

■ 19.0500, 23.9734,
13.0308

■ 22.2859, 25.4766,
20.6348

■ 17.6910, 23.3350,
10.1569

■ 24.1767, 26.3473,
25.4272

■ 16.4946, 22.7680,
7.8560

■ 26.2580, 27.3008,
30.9179

■ 15.4524, 22.2687,
6.0894

■ 28.5355, 28.3397,
37.1334

■ 14.5551, 21.8334,
4.8136

■ 31.0151, 29.4664,
44.0989

■ 13.7919, 21.4577,
3.9785

■ 33.7022, 30.6831,
51.8381

■ 13.1439, 21.1337,
3.4898

■ 36.6019, 31.9921,
60.3740

■ 12.9899, 21.0567,
3.3797

■ 39.7193, 33.3953,
69.7285

■ 43.0593, 34.8950,
79.9225

Harmonies

Analogous

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



22.9688, 24.6852, 14.6420



20.5786, 24.6852, 16.5121



19.0539, 24.6852, 21.1797

Triad

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



20.5786, 24.6852, 16.5121



21.3779, 24.6852, 42.7798



29.0107, 24.6852, 25.4789

Complementary

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



20.5786, 24.6852, 16.5121



17.4795, 15.6473, 27.6914

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.



28.5036, 24.6852, 33.5164



20.5786, 24.6852, 16.5121



23.9633, 24.6852, 44.5318

Square

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



20.5786, 24.6852, 16.5121



19.4900, 24.6852, 36.4560



26.6041, 24.6852, 40.8677



27.9412, 24.6852, 19.1443

Rectangle

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



20.5786, 24.6852, 16.5121



18.6643, 24.6852, 25.7308



26.6041, 24.6852, 40.8677



29.0198, 24.6852, 28.0588

Sweetspot

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



20.5792, 24.6863, 16.5126



42.3870, 46.3465, 44.2046



20.3089, 20.1398, 15.6493



9.3619, 10.3032, 9.6022



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.



20.5792, 24.6863, 16.5126



34.5745, 42.7323, 25.1687



18.0184, 23.3661, 16.3928



5.6156, 6.1700, 5.7843



11.6838, 18.9158, 3.0353



0.1370, 0.1939, 0.0302

Inverse Universe

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



17.4795, 15.6473, 27.6914



28.1665, 24.0425, 48.2840



20.4480, 17.1776, 27.8304



5.3387, 5.3628, 6.7825



6.1826, 2.6808, 23.1687



0.0837, 0.0383, 0.2227

Previews

White Background



This preview shows how the XYZ color 20.5786, 24.6852, 16.5121 looks on a white background.

Color Contrast Check

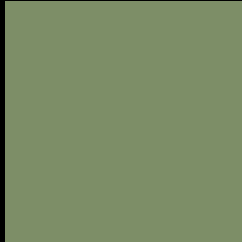
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5786, 24.6852, 16.5121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

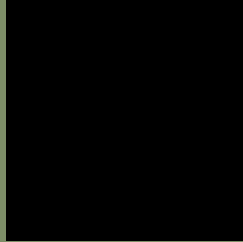
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5786, 24.6852, 16.5121

Background



This preview shows how black text looks on a background with the XYZ color 20.5786, 24.6852, 16.5121.



This preview shows how white text looks on a background with the XYZ color 20.5786, 24.6852,

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

20.5786, 24.6852, 16.5121

Protanopia

22.9585, 24.6394, 15.6024

Deuteranopia

24.8305, 24.3561, 16.7571



Tritanopia

23.4307, 24.5402, 31.1056

Trichromacy



Original Color

20.5786, 24.6852, 16.5121

Protanomaly

21.9187, 24.5198, 15.8895

Deuteranomaly

23.0564, 24.2527, 16.5627

Tritanomaly

22.2385, 24.4828, 25.0263

Monochromacy



Original Color

20.5786, 24.6852, 16.5121

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.3086, 23.6559, 21.5321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5786, 24.6852, 16.5121 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(125, 142, 103)` looks like.

```
.text, #text, p{  
    color:rgb(125, 142, 103)  
}
```

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(125, 142, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 142, 103) }
```

Border

The CSS property to change the border of an element to XYZ 20.5786, 24.6852, 16.5121 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(125, 142, 103) }
```


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

```
.border{ border-color:rgb(125, 142, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 142, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 142, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 142, 103);  
box-shadow:4px 4px 4px 4px rgb(125, 142,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5786, 24.6852, 16.5121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 142, 103) }
```

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

```
.background{ background-color: rgb(125,  
142, 103) }
```

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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