

Converting Colors

XYZ(20.4747, 25.2425, 15.9083)

Have a look what the booklet for
XYZ(20.4747, 25.2425, 15.9083)
contains.

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Color

**XYZ(20.4517, 25.3085,
15.8637)**

Conversions

Conversions Part 1

Format	Color
Hex	7A9164
RGB	122, 145, 100
RGB Percent	48%, 57%, 39%
CMY	0.5216, 0.4314, 0.6078
CMYK	0.16, 0.00, 0.31, 0.43
HSL	91°, 18%, 48%
HSV	91°, 31%, 57%
XYZ	20.4517, 25.3085, 15.8637
YIQ	132.9930, 0.7370, -18.8710

Conversions

Conversions Part 2

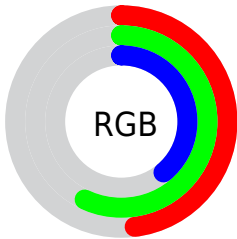
Format	Color
R_{YB}	100, 145, 123
Decimal	8032612
CIE _{Lab}	57.37, -16.65, 21.27
CIE _{LCh}	57, 27.013, 128.060
Yxy	25.3085, 0.3319, 0.4107
Android (android.graphics.Color)	4286222692 (0xFF7A9164)
YUV	132.9930, -16.2655, -9.6409
Hunter-Lab	50.3076, -15.4720, 16.5191

Details

The XYZ color **20.4517, 25.3085, 15.8637** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.8375, 15.3704, 28.8161**, and the grayscale version is **22.3495, 23.5134, 25.6061**.

A 20% lighter version of the original color is **43.6885, 52.1952, 37.0502**, and **7.3178, 9.6402, 4.8432** is the 20% darker color. If you saturate the color by 10%, you get **18.8018, 24.5327, 12.4434**, and if you desaturate by 10%, it is **22.3079, 26.1777, 19.9468**.

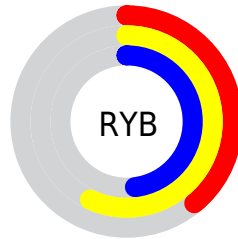
Distribution



Red (48%)

Green (57%)

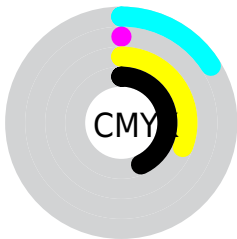
Blue (39%)



Red (39%)

Yellow (57%)

Blue (48%)

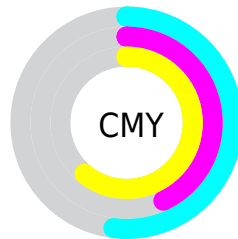


Cyan (16%)

Magenta (0%)

Yellow (31%)

Black (43%)



Cyan (52%)

Magenta (43%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4517, 25.3085, 15.8637 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 20.4517, 25.3085, 15.8637 by changing the saturation by 10% instead.

■ 20.4517, 25.3085,
15.8637

■ 20.4517, 25.3085,
15.8637

247.1373,
279.3708, 240.3543

■ 12.8340, 16.3070,
9.2744

■ 43.6714, 52.1573,
37.1249

■ 7.3905, 9.7417,
4.8214

■ 60.0041, 70.7734,
52.6340

■ 3.7560, 5.2280,
2.0859

■ 79.9725, 93.3631,
71.9533

■ 1.5650, 2.3817,
0.6074

■ 103.9419,
120.3110, 95.5016

■ 0.3695, 0.8164,
0.0000

132.2777,
152.0012, 123.6973

■ 0.0000, 0.0000,
0.0000

165.3453,

188.8184, 156.9589

203.5101,
231.1468, 195.7051

■ 20.4517, 25.3085,
15.8637

■ 20.4517, 25.3085,
15.8637

■ 18.8018, 24.5327,
12.4434

■ 22.3079, 26.1777,
19.9468

■ 17.3479, 23.8436,
9.6493

■ 24.3763, 27.1404,
24.7235

■ 16.0816, 23.2382,
7.4437

■ 26.6649, 28.2009,
30.2246

■ 14.9928, 22.7125,
5.7843

■ 29.1809, 29.3621,
36.4785

■ 14.0705, 22.2619,
4.6229

■ 31.9308, 30.6269,
43.5122

■ 13.3020, 21.8808,
3.9031

■ 34.9210, 31.9980,
51.3514

■ 12.7160, 21.5871,
3.4965

■ 38.1577, 33.4780,
60.0204

■ 41.6467, 35.0695,
69.5427

■ 45.3938, 36.7750,
79.9407

Harmonies

Analogous

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



23.2010, 25.3085, 13.5135



20.4517, 25.3085, 15.8637



18.7787, 25.3085, 21.4735

Triad

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



20.4517, 25.3085, 15.8637



21.8248, 25.3085, 47.3876



30.6884, 25.3085, 25.1549

Complementary

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



20.4517, 25.3085, 15.8637



17.8375, 15.3704, 28.8161

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.



30.2371, 25.3085, 34.6922



20.4517, 25.3085, 15.8637



24.9296, 25.3085, 48.9900

Square

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



20.4517, 25.3085, 15.8637



19.5210, 25.3085, 39.9345



28.0584, 25.3085, 43.9230



29.2417, 25.3085, 18.0439

Rectangle

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



20.4517, 25.3085, 15.8637



18.4057, 25.3085, 26.9635



28.0584, 25.3085, 43.9230



30.7559, 25.3085, 28.1584

Sweetspot

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



20.4523, 25.3096, 15.8642



44.3792, 48.9395, 45.9946



20.9994, 20.9830, 15.0003



9.7572, 10.8335, 9.9585



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.4523, 25.3096, 15.8642



34.5948, 44.3687, 24.1560



17.6819, 23.8814, 15.7346



5.5781, 6.1506, 5.7826



10.9362, 18.5304, 3.0003



0.1298, 0.1902, 0.0299

Inverse Universe

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



17.8375, 15.3704, 28.8161



29.1705, 23.7525, 51.0208



21.3461, 17.1791, 28.9803



5.3759, 5.3820, 6.7842



6.8439, 3.0217, 23.1996



0.0909, 0.0420, 0.2230

Previews

White Background



This preview shows how the XYZ color 20.4517, 25.3085, 15.8637 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 20.4517, 25.3085, 15.8637 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 20.4517, 25.3085, 15.8637

Background



This preview shows how black text looks on a background with the XYZ color 20.4517, 25.3085, 15.8637.



This preview shows how white text looks on a background with the XYZ color 20.4517, 25.3085,

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

20.4517, 25.3085, 15.8637

Protanopia

23.3161, 25.0503, 14.9156

Deuteranopia

25.5997, 25.1632, 16.3397



Tritanopia

23.7909, 25.3344, 32.4903

Trichromacy



Original Color

20.4517, 25.3085, 15.8637

Protanomaly

22.2301, 25.1270, 15.2336

Deuteranomaly

23.3766, 25.0537, 16.1741

Tritanomaly

22.2939, 25.1513, 25.5095

Monochromacy



Original Color

20.4517, 25.3085, 15.8637

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.4501, 23.9389, 21.5793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4517, 25.3085, 15.8637 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(122, 145, 100)` looks like.

```
.text, #text, p{  
    color:rgb(122, 145, 100)  
}
```

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(122, 145, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 145, 100) }
```

Border

The CSS property to change the border of an element to XYZ 20.4517, 25.3085, 15.8637 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(122, 145, 100) }
```


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

```
.border{ border-color:rgb(122, 145, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 145, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 145, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 145, 100);  
box-shadow:4px 4px 4px 4px rgb(122, 145,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4517, 25.3085, 15.8637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 145, 100) }
```

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

```
.background{ background-color: rgb(122,  
145, 100) }
```

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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