

Converting Colors

XYZ(16.9226, 24.9079, 20.4255)

Have a look what the booklet for
XYZ(16.9226, 24.9079, 20.4255)
contains.

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Color

**XYZ(16.9792, 25.0570,
20.4646)**

Conversions

Conversions Part 1

Format	Color
Hex	479874
RGB	71, 152, 116
RGB Percent	28%, 60%, 45%
CMY	0.7216, 0.4039, 0.5451
CMYK	0.53, 0.00, 0.24, 0.40
HSL	153°, 36%, 44%
HSV	153°, 53%, 60%
XYZ	16.9792, 25.0570, 20.4646
YIQ	123.6770, -36.7200, -28.3680

Conversions

Conversions Part 2

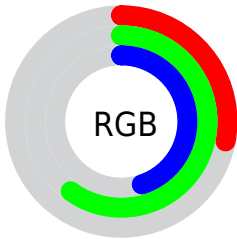
Format	Color
R_{YB}	71, 123, 152
Decimal	4692084
CIE _{Lab}	57.13, -33.62, 11.52
CIE _{LCh}	57, 35.542, 161.079
Yxy	25.0570, 0.2717, 0.4009
Android (android.graphics.Color)	4282882164 (0xFF479874)
YUV	123.6770, -3.7848, -46.1977
Hunter-Lab	50.0570, -27.0529, 10.8006

Details

The XYZ color **16.9792, 25.0570, 20.4646** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.8569, 12.2441, 15.3333**, and the grayscale version is **19.0723, 20.0655, 21.8514**.

A 20% lighter version of the original color is **37.8382, 51.8128, 45.0524**, and **5.6506, 9.5575, 7.0158** is the 20% darker color. If you saturate the color by 10%, you get **15.6221, 24.4018, 18.4240**, and if you desaturate by 10%, it is **18.6451, 25.8694, 22.6699**.

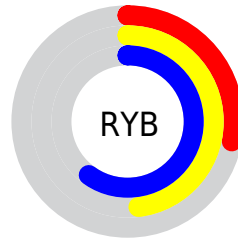
Distribution



Red (28%)

Green (60%)

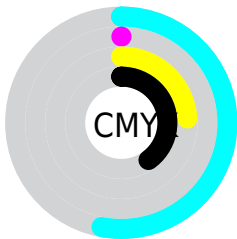
Blue (45%)



Red (28%)

Yellow (48%)

Blue (60%)

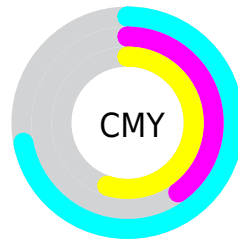


Cyan (53%)

Magenta (0%)

Yellow (24%)

Black (40%)



Cyan (72%)

Magenta (40%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9792, 25.0570, 20.4646 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 16.9792, 25.0570, 20.4646 by changing the saturation by 10% instead.

■ 16.9792, 25.0570,
20.4646

■ 16.9792, 25.0570,
20.4646

228.2111,
278.1217, 267.1062

■ 10.3149, 16.1195,
12.5458

■ 37.8339, 51.7497,
45.0639

■ 5.6721, 9.6088,
6.9895

■ 52.7550, 70.2737,
62.5815

■ 2.6855, 5.1403,
3.3772

■ 71.1590, 92.7620,
84.1358

■ 0.9897, 2.3298,
1.2903

■ 93.4114, 119.5989,
110.1453

■ 0.0000, 0.7894,
0.0538

■ 119.8774,
151.1690, 141.0285

■ 0.0000, 0.0000,
0.0000

150.9224,

187.8566, 177.2041

186.9119,
230.0460, 219.0905

■ 16.9792, 25.0570,
20.4646

■ 16.9792, 25.0570,
20.4646

■ 15.6221, 24.4018,
18.4240

■ 18.6451, 25.8694,
22.6699

■ 14.5500, 23.8897,
16.5423

■ 20.6374, 26.8460,
25.0423

■ 13.7386, 23.5088,
14.8157

■ 22.9747, 27.9971,
27.5861

■ 13.1586, 23.2440,
13.2393

■ 25.6736, 29.3310,
30.3049

■ 12.8463, 23.1044,
12.2614

■ 28.7494, 30.8557,
33.2023

■ 32.2169, 32.5787,
36.2817

■ 36.0896, 34.5069,
39.5464

■ 40.3807, 36.6471,
42.9997

■ 45.1027, 39.0056,
46.6446

Harmonies

Analogous

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



18.9049, 25.0570, 13.3251



16.9792, 25.0570, 20.4646



16.7527, 25.0570, 31.9609

Triad

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



16.9792, 25.0570, 20.4646



25.3978, 25.0570, 56.7652



30.4192, 25.0570, 14.7571

Complementary

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



16.9792, 25.0570, 20.4646



17.8569, 12.2441, 15.3333

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.



32.6288, 25.0570, 23.0850



16.9792, 25.0570, 20.4646



29.5114, 25.0570, 48.6313

Square

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



16.9792, 25.0570, 20.4646



21.2981, 25.0570, 55.4447



32.2783, 25.0570, 35.4686



26.5248, 25.0570, 10.7602

Rectangle

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



16.9792, 25.0570, 20.4646



17.5612, 25.0570, 41.0100



32.2783, 25.0570, 35.4686



31.4032, 25.0570, 17.0217

Sweetspot

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



16.9799, 25.0580, 20.4652



43.8058, 51.0236, 52.0056



18.4841, 26.0662, 10.0188



9.7504, 11.4951, 11.6141



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.9799, 25.0580, 20.4652



27.1649, 42.8738, 31.8474



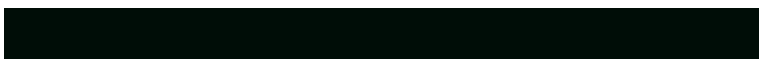
18.8489, 24.7717, 33.4949



6.2686, 6.9801, 7.3376



10.7867, 19.3781, 10.3635



0.1796, 0.2970, 0.2513

Inverse Universe

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



17.8569, 12.2441, 15.3333



28.8902, 17.7697, 21.8286



16.6065, 12.1700, 7.4355



6.3172, 6.2660, 7.0503



11.7361, 5.9487, 5.1355



0.1934, 0.0961, 0.1711

Previews

White Background



This preview shows how the XYZ color 16.9792, 25.0570, 20.4646 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 16.9792, 25.0570, 20.4646 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 16.9792, 25.0570, 20.4646

Background



This preview shows how black text looks on a background with the XYZ color 16.9792, 25.0570, 20.4646.



This preview shows how white text looks on a background with the XYZ color 16.9792, 25.0570,

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

16.9792, 25.0570, 20.4646

Protanopia

23.1880, 24.7108, 17.7349

Deuteranopia

25.0240, 24.5572, 21.1904



Tritanopia

20.0177, 24.8654, 36.0922

Trichromacy



Original Color

16.9792, 25.0570, 20.4646

Protanomaly

20.0135, 24.3453, 18.6832

Deuteranomaly

20.8746, 24.0822, 21.0009

Tritanomaly

18.7723, 24.8252, 29.7889

Monochromacy



Original Color

16.9792, 25.0570, 20.4646

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

17.8020, 21.4339, 21.2881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9792, 25.0570, 20.4646 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(71, 152, 116)` looks like.

```
.text, #text, p{  
    color:rgb(71, 152, 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(71, 152, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 152, 116) }
```

Border

The CSS property to change the border of an element to XYZ 16.9792, 25.0570, 20.4646 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(71, 152, 116) }
```


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

```
.border{ border-color:rgb(71, 152, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 152, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 152, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 152, 116);  
box-shadow:4px 4px 4px 4px rgb(71, 152,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9792, 25.0570, 20.4646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 152, 116) }
```

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

```
.background{ background-color: rgb(71, 152,  
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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