

Converting Colors

XYZ(16.9449, 20.6305, 24.6601)

Have a look what the booklet for
XYZ(16.9449, 20.6305, 24.6601)
contains.

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Color

**XYZ(16.9985, 20.7409,
24.5802)**

Conversions

Conversions Part 1

Format	Color
Hex	5D8583
RGB	93, 133, 131
RGB Percent	36%, 52%, 51%
CMY	0.6353, 0.4784, 0.4863
CMYK	0.30, 0.00, 0.02, 0.48
HSL	177°, 18%, 44%
HSV	177°, 30%, 52%
XYZ	16.9985, 20.7409, 24.5802
YIQ	120.8120, -23.1980, -9.1020

Conversions

Conversions Part 2

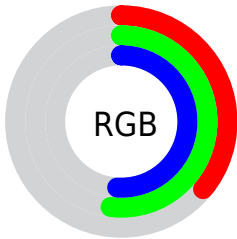
Format	Color
R_{YB}	93, 114, 133
Decimal	6129027
CIE _{Lab}	52.66, -14.26, -3.39
CIE _{LCh}	53, 14.662, 193.374
Yxy	20.7409, 0.2728, 0.3328
Android (android.graphics.Color)	4284319107 (0xFF5D8583)
YUV	120.8120, 5.0227, -24.3911
Hunter-Lab	45.5422, -13.0741, -0.1207

Details

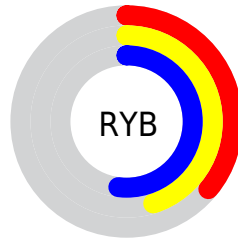
The XYZ color **16.9985, 20.7409, 24.5802** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.6535, 13.6422, 12.6356**, and the grayscale version is **18.1035, 19.0463, 20.7414**.

A 20% lighter version of the original color is **37.8877, 44.5982, 51.9588**, and **5.6550, 7.3312, 9.0997** is the 20% darker color. If you saturate the color by 10%, you get **15.7229, 20.0890, 24.2862**, and if you desaturate by 10%, it is **18.5098, 21.5153, 24.8876**.

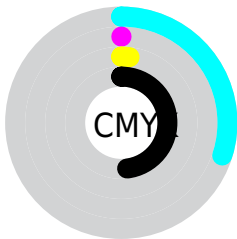
Distribution



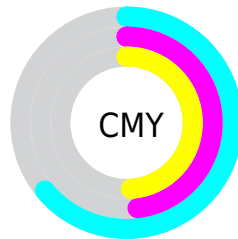
- Red (36%)
- Green (52%)
- Blue (51%)



- Red (36%)
- Yellow (45%)
- Blue (52%)



- Cyan (30%)
- Magenta (0%)
- Yellow (2%)
- Black (48%)



- Cyan (64%)
- Magenta (48%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9985, 20.7409, 24.5802 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 16.9985, 20.7409, 24.5802 by changing the saturation by 10% instead.

■ 16.9985, 20.7409,
24.5802

■ 16.9985, 20.7409,
24.5802

228.3201,
255.8983, 289.1213

■ 10.3287, 12.9347,
15.5484

■ 37.8668, 44.6559,
51.9310

■ 5.6814, 7.3836,
9.0543

■ 52.7961, 61.5336,
71.0871

■ 2.6911, 3.7032,
4.6793

■ 71.2092, 82.2038,
94.4550

■ 0.9926, 1.5089,
2.0049

■ 93.4715, 107.0511,
122.4533

■ 0.0000, 0.2950,
0.5583

119.9484,
136.4598, 155.5006

■ 0.0000, 0.0000,
0.0000

151.0052,

170.8143, 194.0153

187.0074,
210.4990, 238.4160

■ 16.9985, 20.7409,
24.5802

■ 16.9985, 20.7409,
24.5802

■ 15.7229, 20.0890,
24.2862

■ 18.5098, 21.5153,
24.8876

■ 14.6689, 19.5509,
24.0037

■ 20.2662, 22.4155,
25.2076

■ 13.8242, 19.1205,
23.7324

■ 22.2789, 23.4478,
25.5411

■ 13.1739, 18.7903,
23.4718

■ 24.5577, 24.6172,
25.8885

■ 12.7016, 18.5519,
23.2210

■ 27.1121, 25.9287,
26.2504

■ 12.3881, 18.3953,
22.9791

■ 29.9509, 27.3867,
26.6271

■ 12.1762, 18.2911,
22.7451

■ 33.0826, 28.9958,
27.0190

■ 36.5156, 30.7601,
27.4266

■ 40.2575, 32.6836,
27.8502

Harmonies

Analogous

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



17.0375, 20.7409, 20.2667



16.9985, 20.7409, 24.5802



17.6598, 20.7409, 28.8495

Triad

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



16.9985, 20.7409, 24.5802



21.7948, 20.7409, 29.2478



20.5638, 20.7409, 15.4599

Complementary

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



16.9985, 20.7409, 24.5802



15.6535, 13.6422, 12.6356

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.



21.9208, 20.7409, 17.2973



16.9985, 20.7409, 24.5802



22.6562, 20.7409, 25.0701

Square

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



16.9985, 20.7409, 24.5802



20.3991, 20.7409, 31.7693



22.7034, 20.7409, 20.6976



19.0437, 20.7409, 15.3644

Rectangle

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



16.9985, 20.7409, 24.5802



18.4295, 20.7409, 30.9450



22.7034, 20.7409, 20.6976



21.0560, 20.7409, 15.8824

Sweetspot

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



16.9991, 20.7417, 24.5807



36.5865, 40.2914, 45.1909



15.1529, 20.0350, 13.4250



8.1464, 9.0280, 10.1644



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.9991, 20.7417, 24.5807



28.8548, 36.3315, 43.6593



14.9556, 16.4354, 24.5753



4.7918, 5.2750, 5.9150



11.5985, 17.4223, 21.6690



0.0409, 0.0607, 0.0791

Inverse Universe

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



15.6535, 13.6422, 12.6356



26.0469, 21.5107, 18.7285



17.2614, 17.0016, 12.7283



4.6813, 4.6922, 4.9342



9.2492, 4.7640, 0.6189



0.0326, 0.0167, 0.0052

Previews

White Background



This preview shows how the XYZ color 16.9985, 20.7409, 24.5802 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 16.9985, 20.7409, 24.5802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

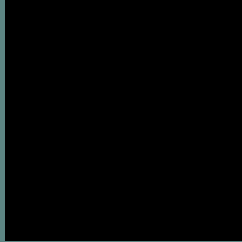
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9985, 20.7409, 24.5802

Background



This preview shows how black text looks on a background with the XYZ color 16.9985, 20.7409, 24.5802.



This preview shows how white text looks on a background with the XYZ color 16.9985, 20.7409,

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

16.9985, 20.7409, 24.5802

Protanopia

19.8519, 20.6856, 22.6851

Deuteranopia

21.0247, 20.6809, 25.0740



Tritanopia

17.8227, 20.6724, 28.6420

Trichromacy



Original Color

16.9985, 20.7409, 24.5802

Protanomaly

18.6857, 20.6417, 23.4215

Deuteranomaly

19.2335, 20.5096, 24.7748

Tritanomaly

17.5580, 20.7704, 27.1284

Monochromacy



Original Color

16.9985, 20.7409, 24.5802

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.5908, 19.5274, 22.2441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9985, 20.7409, 24.5802 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(93, 133, 131) looks like.

```
.text, #text, p{  
    color:rgb(93, 133, 131)  
}
```

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(93, 133, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 133, 131) }
```

Border

The CSS property to change the border of an element to XYZ 16.9985, 20.7409, 24.5802 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(93, 133, 131) }
```


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

```
.border{ border-color:rgb(93, 133, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 133, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 133, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 133, 131);  
box-shadow:4px 4px 4px 4px rgb(93, 133,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9985, 20.7409, 24.5802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 133, 131) }
```

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

```
.background{ background-color: rgb(93, 133,  
131) }
```

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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