

Converting Colors

XYZ(16.3401, 20.2308, 24.6434)

Have a look what the booklet for
XYZ(16.3401, 20.2308, 24.6434)
contains.

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Color

**XYZ(16.2785, 20.1675,
24.5075)**

Conversions

Conversions Part 1

Format	Color
Hex	578483
RGB	87, 132, 131
RGB Percent	34%, 52%, 51%
CMY	0.6588, 0.4823, 0.4863
CMYK	0.34, 0.00, 0.01, 0.48
HSL	179°, 21%, 43%
HSV	179°, 34%, 52%
XYZ	16.2785, 20.1675, 24.5075
YIQ	118.4310, -26.4990, -9.8510

Conversions

Conversions Part 2

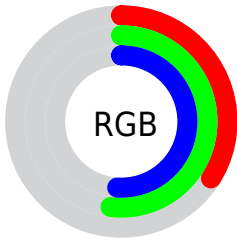
Format	Color
RYB	87, 110, 132
Decimal	5735555
CIELab	52.03, -15.55, -4.37
CIElCh	52, 16.149, 195.709
Yxy	20.1675, 0.2671, 0.3309
Android (android.graphics.Color)	4283925635 (0xFF578483)
YUV	118.4310, 6.1965, -27.5650
Hunter-Lab	44.9082, -13.8861, -0.9202

Details

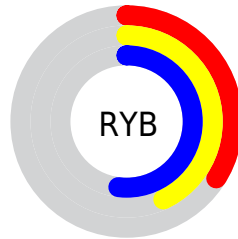
The XYZ color **16.2785, 20.1675, 24.5075** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.6861, 12.4271, 10.8579**, and the grayscale version is **17.3427, 18.2459, 19.8698**.

A 20% lighter version of the original color is **36.6482, 43.6476, 51.8407**, and **5.3032, 7.0371, 9.0614** is the 20% darker color. If you saturate the color by 10%, you get **15.1373, 19.5820, 24.3507**, and if you desaturate by 10%, it is **17.6463, 20.8708, 24.6761**.

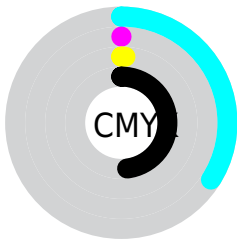
Distribution



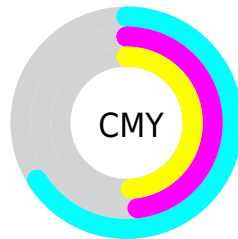
- Red (34%)
- Green (52%)
- Blue (51%)



- Red (34%)
- Yellow (43%)
- Blue (52%)



- Cyan (34%)
- Magenta (0%)
- Yellow (1%)
- Black (48%)



- Cyan (66%)
- Magenta (48%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2785, 20.1675, 24.5075 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 16.2785, 20.1675, 24.5075 by changing the saturation by 10% instead.

■ 16.2785, 20.1675,
24.5075

■ 16.2785, 20.1675,
24.5075

224.2178,
252.8205, 288.7450

■ 9.8135, 12.5169,
15.4948

■ 36.6346, 43.6978,
51.8113

■ 5.3368, 7.0967,
9.0169

■ 51.2564, 60.3463,
70.9395

■ 2.4830, 3.5227,
4.6553

■ 69.3279, 80.7629,
94.2766

■ 0.8867, 1.4103,
1.9913

■ 91.2144, 105.3319,
122.2412

■ 0.0000, 0.2243,
0.5499

■ 117.2813,
134.4377, 155.2518

■ 0.0000, 0.0000,
0.0000

147.8939,

168.4649, 193.7269

183.4176,
207.7976, 238.0852

■ 16.2785, 20.1675,
24.5075

■ 16.2785, 20.1675,
24.5075

■ 15.1373, 19.5820,
24.3507

■ 17.6463, 20.8708,
24.6761

■ 14.2087, 19.1056,
24.2037

■ 19.2503, 21.6954,
24.8555

■ 13.4798, 18.7321,
24.0664

■ 21.1018, 22.6476,
25.0469

■ 12.9355, 18.4538,
23.9380

■ 23.2106, 23.7324,
25.2506

■ 12.5588, 18.2619,
23.8177

■ 25.5862, 24.9547,
25.4671

■ 12.3276, 18.1449,
23.7045

■ 28.2376, 26.3192,
25.6967

■ 12.2184, 18.0899,
23.6391

■ 31.1731, 27.8302,
25.9400

■ 34.4011, 29.4919,
26.1972

■ 37.9293, 31.3084,
26.4688

Harmonies

Analogous

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



16.2603, 20.1675, 19.7951



16.2785, 20.1675, 24.5075



17.0409, 20.1675, 29.1126

Triad

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



16.2785, 20.1675, 24.5075



21.5262, 20.1675, 28.9216



19.9611, 20.1675, 14.2898

Complementary

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



16.2785, 20.1675, 24.5075



14.6861, 12.4271, 10.8579

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.



21.4664, 20.1675, 16.0851



16.2785, 20.1675, 24.5075



22.4045, 20.1675, 24.2750

Square

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



16.2785, 20.1675, 24.5075



20.0390, 20.1675, 31.8993



22.3820, 20.1675, 19.5936



18.3238, 20.1675, 14.3334

Rectangle

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



16.2785, 20.1675, 24.5075



17.8950, 20.1675, 31.3075



22.3820, 20.1675, 19.5936



20.5013, 20.1675, 14.6856

Sweetspot

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



16.2791, 20.1683, 24.5080



35.1166, 38.8363, 43.9089



14.0442, 19.2907, 12.0005



8.0867, 8.9960, 10.2136



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.



16.2791, 20.1683, 24.5080



27.0680, 34.6999, 42.9505



13.7804, 15.0617, 24.0117



4.7973, 5.2771, 5.9436



11.8302, 17.5149, 22.8890



0.0413, 0.0608, 0.0812

Inverse Universe

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



14.6861, 12.4271, 10.8579



23.8126, 18.8764, 15.0528



16.5993, 16.3195, 11.2923



4.6765, 4.6903, 4.9086



9.2295, 4.7561, 0.5147



0.0322, 0.0166, 0.0031

Previews

White Background



This preview shows how the XYZ color 16.2785, 20.1675, 24.5075 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 16.2785, 20.1675, 24.5075 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

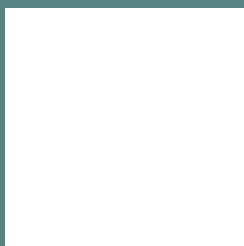
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2785, 20.1675, 24.5075

Background



This preview shows how black text looks on a background with the XYZ color 16.2785, 20.1675, 24.5075.



This preview shows how white text looks on a background with the XYZ color 16.2785, 20.1675,

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

16.2785, 20.1675, 24.5075

Protanopia

19.3063, 20.0322, 22.5877

Deuteranopia

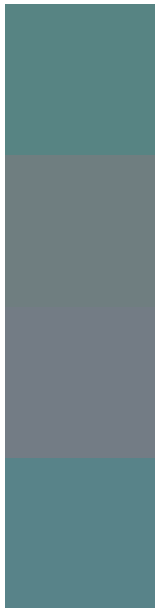
20.3796, 19.9795, 25.3366



Tritanopia

16.9102, 20.0122, 28.1708

Trichromacy



Original Color

16.2785, 20.1675, 24.5075

Protanomaly

17.9127, 19.8597, 23.3113

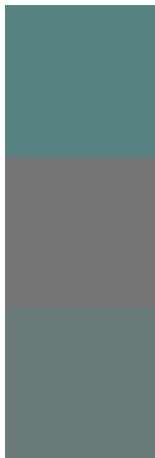
Deuteranomaly

18.5115, 19.7536, 25.0275

Tritanomaly

16.6562, 20.1134, 26.6713

Monochromacy



Original Color

16.2785, 20.1675, 24.5075

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.7215, 18.7218, 21.4712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2785, 20.1675, 24.5075 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(87, 132, 131)` looks like.

```
.text, #text, p{  
    color:rgb(87, 132, 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(87, 132, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 132, 131) }
```

Border

The CSS property to change the border of an element to XYZ 16.2785, 20.1675, 24.5075 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(87, 132, 131) }
```


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

```
.border{ border-color:rgb(87, 132, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 132, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 132, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 132, 131);  
box-shadow:4px 4px 4px 4px rgb(87, 132,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2785, 20.1675, 24.5075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 132, 131) }
```

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

```
.background{ background-color: rgb(87, 132,  
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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