

Converting Colors

XYZ(16.4469, 20.1443, 24.6767)

Have a look what the booklet for
XYZ(16.4469, 20.1443, 24.6767)
contains.

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Color

**XYZ(16.4010, 20.0224,
24.8301)**

Conversions

Conversions Part 1

Format	Color
Hex	598384
RGB	89, 131, 132
RGB Percent	35%, 51%, 52%
CMY	0.6510, 0.4863, 0.4823
CMYK	0.33, 0.01, 0.00, 0.48
HSL	181°, 19%, 43%
HSV	181°, 33%, 52%
XYZ	16.4010, 20.0224, 24.8301
YIQ	118.5560, -25.3530, -8.5930

Conversions

Conversions Part 2

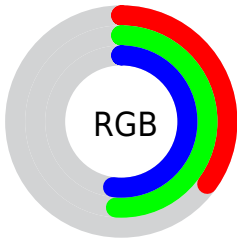
Format	Color
R_{YB}	89, 110, 132
Decimal	5866372
CIE _{Lab}	51.86, -14.15, -5.19
CIE _{LCh}	52, 15.067, 200.132
Yxy	20.0224, 0.2678, 0.3269
Android (android.graphics.Color)	4284056452 (0xFF598384)
YUV	118.5560, 6.6279, -25.9206
Hunter-Lab	44.7464, -12.8802, -1.5780

Details

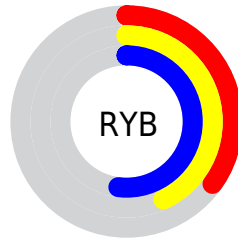
The XYZ color **16.4010, 20.0224, 24.8301** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.9753, 12.9393, 11.1599**, and the grayscale version is **17.3804, 18.2856, 19.9130**.

A 20% lighter version of the original color is **36.8820, 43.4465, 52.3411**, and **5.3788, 6.9605, 9.2436** is the 20% darker color. If you saturate the color by 10%, you get **15.2052, 19.3454, 24.7628**, and if you desaturate by 10%, it is **17.8252, 20.8183, 24.9090**.

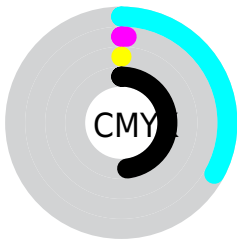
Distribution



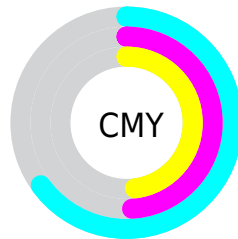
- Red (35%)
- Green (51%)
- Blue (52%)



- Red (35%)
- Yellow (43%)
- Blue (52%)



- Cyan (33%)
- Magenta (1%)
- Yellow (0%)
- Black (48%)



- Cyan (65%)
- Magenta (49%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4010, 20.0224, 24.8301 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 16.4010, 20.0224, 24.8301 by changing the saturation by 10% instead.

■ 16.4010, 20.0224,
24.8301

■ 16.4010, 20.0224,
24.8301

224.9206,
252.0364, 290.4113

■ 9.9010, 12.4113,
15.7327

■ 36.8448, 43.4547,
52.3422

■ 5.3951, 7.0245,
9.1829

■ 51.5194, 60.0448,
71.5939

■ 2.5180, 3.4774,
4.7622

■ 69.6494, 80.3966,
95.0674

■ 0.9044, 1.3858,
2.0521

■ 91.6004, 104.8946,
123.1813

■ 0.0000, 0.2062,
0.5871

■ 117.7377,
133.9232, 156.3541

■ 0.0000, 0.0000,
0.0000

148.4266,

167.8668, 195.0043

184.0324,
207.1097, 239.5505

■ 16.4010, 20.0224,
24.8301

■ 16.4010, 20.0224,
24.8301

■ 15.2052, 19.3454,
24.7628

■ 17.8252, 20.8183,
24.9090

■ 14.2240, 18.7788,
24.7051

■ 19.4874, 21.7366,
24.9986

■ 13.4447, 18.3163,
24.6569

■ 21.3986, 22.7834,
25.1000

■ 12.8525, 17.9505,
24.6176

■ 23.5687, 23.9639,
25.2134

■ 12.4306, 17.6728,
24.5862

■ 26.0070, 25.2828,
25.3395

■ 12.1594, 17.4728,
24.5619

■ 28.7224, 26.7448,
25.4786

■ 12.0067, 17.3496,
24.5461

■ 31.7234, 28.3541,
25.6310

■ 35.0180, 30.1151,
25.7973

■ 38.6141, 32.0316,
25.9777

Harmonies

Analogous

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



16.2780, 20.0224, 20.3892



16.4010, 20.0224, 24.8301



17.2072, 20.0224, 28.9250

Triad

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



16.4010, 20.0224, 24.8301



21.3782, 20.0224, 27.6576



19.5391, 20.0224, 14.5117

Complementary

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



16.4010, 20.0224, 24.8301



14.9753, 12.9393, 11.1599

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.



20.9787, 20.0224, 15.9547



16.4010, 20.0224, 24.8301



22.0774, 20.0224, 23.2764

Square

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



16.4010, 20.0224, 24.8301



20.0609, 20.0224, 30.7031



21.9274, 20.0224, 19.0288



18.0364, 20.0224, 14.8110

Rectangle

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



16.4010, 20.0224, 24.8301



18.0487, 20.0224, 30.7197



21.9274, 20.0224, 19.0288



20.0477, 20.0224, 14.8008

Sweetspot

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



16.4016, 20.0232, 24.8306



35.0780, 38.7012, 44.0744



14.2049, 19.3602, 12.5984



8.0766, 8.9609, 10.2566



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.



16.4016, 20.0232, 24.8306



27.3151, 34.3794, 43.6494



13.8377, 14.8954, 23.9759



4.7926, 5.2608, 5.9636



11.6259, 16.7996, 23.7666



0.0410, 0.0597, 0.0826

Inverse Universe

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



17.1853, 13.6895, 23.2102



28.9242, 21.4617, 40.3034



17.0274, 17.0435, 11.8439



4.8533, 4.7610, 5.8400



13.0463, 6.2829, 20.6141



0.0456, 0.0219, 0.0734

Previews

White Background



This preview shows how the XYZ color 16.4010, 20.0224, 24.8301 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 16.4010, 20.0224, 24.8301 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

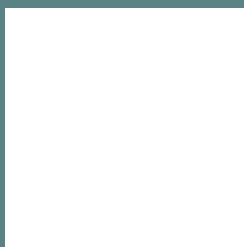
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4010, 20.0224, 24.8301

Background



This preview shows how black text looks on a background with the XYZ color 16.4010, 20.0224, 24.8301.



This preview shows how white text looks on a background with the XYZ color 16.4010, 20.0224,

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

16.4010, 20.0224, 24.8301

Protanopia

19.2259, 19.9833, 22.9225

Deuteranopia

20.2255, 19.9000, 25.3293



Tritanopia

17.0306, 20.0829, 27.7897

Trichromacy



Original Color

16.4010, 20.0224, 24.8301

Protanomaly

17.9788, 19.8862, 23.6597

Deuteranomaly

18.5115, 19.7536, 25.0275

Tritanomaly

16.7144, 19.9451, 26.6357

Monochromacy



Original Color

16.4010, 20.0224, 24.8301

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.9054, 18.8093, 21.8083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4010, 20.0224, 24.8301 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(89, 131, 132) looks like.

```
.text, #text, p{  
    color:rgb(89, 131, 132)  
}
```

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(89, 131, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 131, 132) }
```

Border

The CSS property to change the border of an element to XYZ 16.4010, 20.0224, 24.8301 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(89, 131, 132) }
```


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

```
.border{ border-color:rgb(89, 131, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 131, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 131, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 131, 132);  
box-shadow:4px 4px 4px 4px rgb(89, 131,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4010, 20.0224, 24.8301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 131, 132) }
```

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

```
.background{ background-color: rgb(89, 131,  
132) }
```

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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