

Converting Colors

XYZ(20.4694, 24.3971, 32.5562)

Have a look what the booklet for
XYZ(20.4694, 24.3971, 32.5562)
contains.

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Color

**XYZ(20.4731, 24.4996,
32.5040)**

Conversions

Conversions Part 1

Format	Color
Hex	638F96
RGB	99, 143, 150
RGB Percent	39%, 56%, 59%
CMY	0.6118, 0.4392, 0.4118
CMYK	0.34, 0.05, 0.00, 0.41
HSL	188°, 20%, 49%
HSV	188°, 34%, 59%
XYZ	20.4731, 24.4996, 32.5040
YIQ	130.6420, -28.4710, -7.1510

Conversions

Conversions Part 2

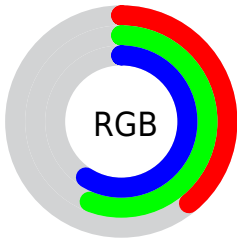
Format	Color
R_{YB}	99, 123, 150
Decimal	6524822
CIE _{Lab}	56.58, -13.14, -8.52
CIE _{LCh}	57, 15.663, 212.956
Yxy	24.4996, 0.2642, 0.3162
Android (android.graphics.Color)	4284714902 (0xFF638F96)
YUV	130.6420, 9.5435, -27.7500
Hunter-Lab	49.4971, -12.7883, -4.2869

Details

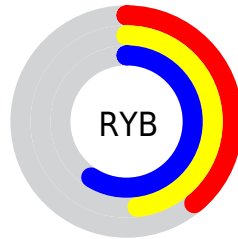
The XYZ color **20.4731, 24.4996, 32.5040** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.9842, 17.6932, 14.1669**, and the grayscale version is **21.4208, 22.5363, 24.5421**.

A 20% lighter version of the original color is **43.8142, 50.9675, 64.6552**, and **7.4331, 9.3825, 13.2236** is the 20% darker color. If you saturate the color by 10%, you get **18.6781, 23.1203, 32.3328**, and if you desaturate by 10%, it is **22.5796, 26.0491, 32.6925**.

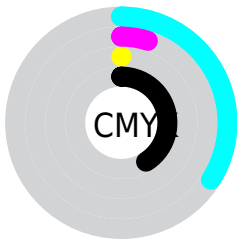
Distribution



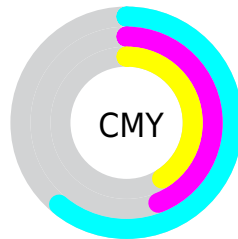
- Red (39%)
- Green (56%)
- Blue (59%)



- Red (39%)
- Yellow (48%)
- Blue (59%)



- Cyan (34%)
- Magenta (5%)
- Yellow (0%)
- Black (41%)



- Cyan (61%)
- Magenta (44%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4731, 24.4996, 32.5040 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 20.4731, 24.4996, 32.5040 by changing the saturation by 10% instead.

■ 20.4731, 24.4996,
32.5040

■ 20.4731, 24.4996,
32.5040

247.2499,
275.3367, 327.9720

■ 12.8497, 15.7046,
21.4788

■ 43.7069, 50.8443,
64.7074

■ 7.4014, 9.3154,
13.2798

■ 60.0479, 69.1627,
86.7227

■ 3.7629, 4.9475,
7.4885

■ 80.0256, 91.4245,
113.2384

■ 1.5689, 2.2165,
3.6864

■ 104.0051,
118.0140, 144.6730

■ 0.3720, 0.7290,
1.4549

132.3520,
149.3155, 181.4452

■ 0.0000, 0.0000,
0.1840

165.4315,

■ 0.0000, 0.0000,

185.7136, 223.9733

0.0000

203.6091,
227.5925, 272.6761

■ 20.4731, 24.4996,
32.5040

■ 20.4731, 24.4996,
32.5040

■ 18.6781, 23.1203,
32.3328

■ 22.5796, 26.0491,
32.6925

■ 17.1756, 21.8996,
32.1764

■ 25.0111, 27.7740,
32.8973

■ 15.9477, 20.8287,
32.0344

■ 27.7828, 29.6828,
33.1196

■ 14.9737, 19.8970,
31.9059

■ 30.9084, 31.7826,
33.3602

■ 14.2298, 19.0922,
31.7897

■ 34.4008, 34.0801,
33.6196

■ 13.6875, 18.3995,
31.6846

■ 38.2723, 36.5816,
33.8984

■ 13.4104, 18.0127,
31.6246

■ 42.5345, 39.2932,
34.1971

■ 47.1986, 42.2208,
34.5164

■ 52.2753, 45.3698,
34.8566

Harmonies

Analogous

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



19.9652, 24.4996, 27.1957



20.4731, 24.4996, 32.5040



21.7319, 24.4996, 36.6282

Triad

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



20.4731, 24.4996, 32.5040



26.5420, 24.4996, 31.4941



23.1063, 24.4996, 17.8713

Complementary

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



20.4731, 24.4996, 32.5040



19.9842, 17.6932, 14.1669

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.



24.9128, 24.4996, 18.7125



20.4731, 24.4996, 32.5040



26.9564, 24.4996, 26.1627

Square

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



20.4731, 24.4996, 32.5040



25.2409, 24.4996, 35.9938



26.3457, 24.4996, 21.5898



21.4349, 24.4996, 19.1232

Rectangle

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



20.4731, 24.4996, 32.5040



22.8599, 24.4996, 37.9023



26.3457, 24.4996, 21.5898



23.7177, 24.4996, 17.9190

Sweetspot

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



20.4738, 24.5006, 32.5046



45.9259, 50.2560, 58.2011



18.6436, 25.5023, 17.5216



10.0437, 11.0446, 12.8873



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.4738, 24.5006, 32.5046



33.6113, 41.3107, 57.1235



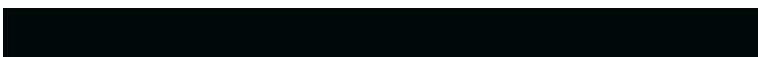
17.0944, 17.7416, 31.3781



5.8970, 6.4279, 7.3996



11.1393, 14.9734, 26.2341



0.1514, 0.2134, 0.3261

Inverse Universe

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



21.9981, 17.3915, 28.1852



36.7893, 26.9694, 48.0099



22.9870, 23.6987, 15.1678



6.0014, 5.8956, 7.1137



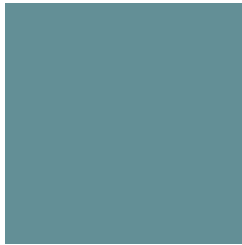
13.7497, 6.7049, 17.9607



0.1759, 0.0851, 0.2599

Previews

White Background



This preview shows how the XYZ color 20.4731, 24.4996, 32.5040 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 20.4731, 24.4996, 32.5040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

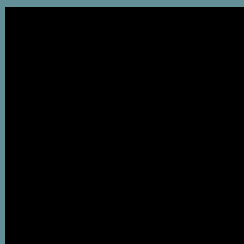
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

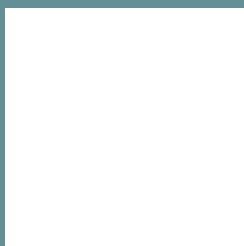
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4731, 24.4996, 32.5040

Background



This preview shows how black text looks on a background with the XYZ color 20.4731, 24.4996, 32.5040.



This preview shows how white text looks on a background with the XYZ color 20.4731, 24.4996,

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

20.4731, 24.4996, 32.5040

Protanopia

23.6276, 24.2454, 30.2226

Deuteranopia

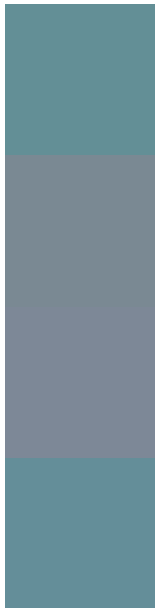
24.7340, 24.3450, 33.1012



Tritanopia

20.7613, 24.3884, 34.1851

Trichromacy



Original Color

20.4731, 24.4996, 32.5040

Protanomaly

22.2382, 24.1355, 31.0903

Deuteranomaly

22.8475, 24.2027, 32.7455

Tritanomaly

20.6783, 24.3552, 33.7482

Monochromacy



Original Color

20.4731, 24.4996, 32.5040

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.8592, 23.0849, 27.4012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4731, 24.4996, 32.5040 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(99, 143, 150)` looks like.

```
.text, #text, p{  
    color:rgb(99, 143, 150)  
}
```

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(99, 143, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 143, 150) }
```

Border

The CSS property to change the border of an element to XYZ 20.4731, 24.4996, 32.5040 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(99, 143, 150) }
```


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

```
.border{ border-color:rgb(99, 143, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 143, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 143, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 143, 150);  
box-shadow:4px 4px 4px 4px rgb(99, 143,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4731, 24.4996, 32.5040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 143, 150) }
```

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

```
.background{ background-color: rgb(99, 143,  
150) }
```

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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