

Converting Colors

XYZ(20.4645, 20.9706, 32.6749)

Have a look what the booklet for
XYZ(20.4645, 20.9706, 32.6749)
contains.

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Color

**XYZ(20.4645, 20.9706,
32.6749)**

Conversions

Conversions Part 1

Format	Color
Hex	757E98
RGB	117, 126, 152
RGB Percent	46%, 49%, 60%
CMY	0.5412, 0.5059, 0.4039
CMYK	0.23, 0.17, 0.00, 0.40
HSL	225°, 15%, 53%
HSV	225°, 23%, 60%
XYZ	20.4645, 20.9706, 32.6749
YIQ	126.2730, -13.7100, 6.1780

Conversions

Conversions Part 2

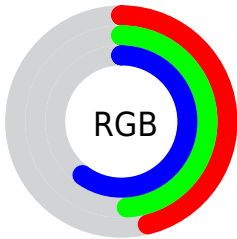
Format	Color
R_{YB}	117, 124, 152
Decimal	7700120
CIE Lab	52.92, 2.62, -15.08
CIE LCh	53, 15.304, 279.867
Yxy	20.9706, 0.2761, 0.2830
Android (android.graphics.Color)	4285890200 (0xFF757E98)
YUV	126.2730, 12.6834, -8.1324
Hunter-Lab	45.7937, -0.3700, -10.2493

Details

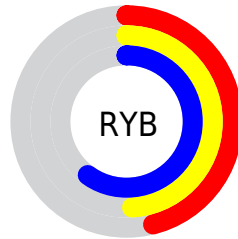
The XYZ color **20.4645, 20.9706, 32.6749** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.9826, 27.6049, 20.7891**, and the grayscale version is **19.8861, 20.9218, 22.7838**.

A 20% lighter version of the original color is **43.8382, 45.2425, 64.8147**, and **7.3867, 7.4763, 13.3657** is the 20% darker color. If you saturate the color by 10%, you get **17.2225, 17.2760, 32.1330**, and if you desaturate by 10%, it is **24.2024, 25.1638, 33.2876**.

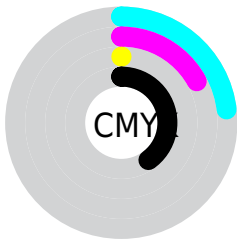
Distribution



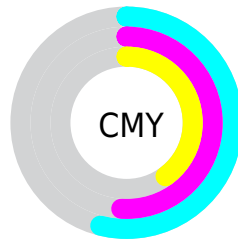
- Red (46%)
- Green (49%)
- Blue (60%)



- Red (46%)
- Yellow (49%)
- Blue (60%)



- Cyan (23%)
- Magenta (17%)
- Yellow (0%)
- Black (40%)



- Cyan (54%)
- Magenta (51%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4645, 20.9706, 32.6749 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 20.4645, 20.9706, 32.6749 by changing the saturation by 10% instead.

■ 20.4645, 20.9706,
32.6749

■ 20.4645, 20.9706,
32.6749

247.2047,
257.1222, 328.7692

■ 12.8434, 13.1025,
21.6084

■ 43.6926, 45.0386,
64.9778

■ 7.3970, 7.4992,
13.3739

■ 60.0303, 62.0073,
87.0513

■ 3.7601, 3.7762,
7.5528

■ 80.0042, 82.7783,
113.6309

■ 1.5674, 1.5492,
3.7265

103.9797,
107.7361, 145.1351

■ 0.3710, 0.3230,
1.4765

132.3222,
137.2650, 181.9825

■ 0.0000, 0.0000,
0.2004

165.3969,

■ 0.0000, 0.0000,

171.7493, 224.5917

0.0000

203.5693,
211.5736, 273.3811

■ 20.4645, 20.9706,
32.6749

■ 20.4645, 20.9706,
32.6749

■ 17.2225, 17.2760,
32.1330

■ 24.2024, 25.1638,
33.2876

■ 14.4531, 14.0585,
31.6579

■ 28.4543, 29.8711,
33.9721

■ 12.1340, 11.2985,
31.2474

■ 33.2399, 35.1103,
34.7312

■ 10.2402, 8.9744,
30.8986

■ 38.5769, 40.8977,
35.5669

■ 8.7440, 7.0623,
30.6084

■ 44.4825, 47.2488,
36.4816

■ 7.6145, 5.5360,
30.3733

■ 50.9731, 54.1785,
37.4770

■ 6.8155, 4.3657,
30.1896

■ 58.0643, 61.7012,
38.5553

■ 6.3960, 3.7239,
30.0878

■ 65.7712, 69.8306,
39.7183

■ 74.1083, 78.5803,
40.9677

Harmonies

Analogous

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



18.8903, 20.9706, 32.1588



20.4645, 20.9706, 32.6749



21.9725, 20.9706, 30.2964

Triad

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



20.4645, 20.9706, 32.6749



22.3911, 20.9706, 17.6322



17.1773, 20.9706, 19.9294

Complementary

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



20.4645, 20.9706, 32.6749



25.9826, 27.6049, 20.7891

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.



18.0218, 20.9706, 16.7093



20.4645, 20.9706, 32.6749



21.0111, 20.9706, 15.5113

Square

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



20.4645, 20.9706, 32.6749



23.1235, 20.9706, 21.3547



19.4087, 20.9706, 15.1978



17.0484, 20.9706, 24.3789

Rectangle

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



20.4645, 20.9706, 32.6749



22.7166, 20.9706, 27.5548



19.4087, 20.9706, 15.1978



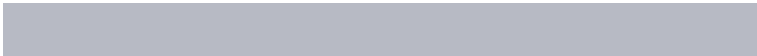
17.3846, 20.9706, 18.6847

Sweetspot

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



20.4652, 20.9714, 32.6754



47.0269, 49.1973, 59.4511



23.4976, 28.2119, 30.0619



10.5989, 11.0827, 13.4980



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.



20.4652, 20.9714, 32.6754



32.8580, 33.3098, 57.1313



20.5112, 19.3628, 32.3624



6.0072, 6.2718, 7.8229



5.3850, 3.1667, 25.2351



0.1066, 0.0996, 0.3860

Inverse Universe

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



23.0766, 20.9050, 22.5583



38.3953, 33.3261, 35.6445



25.9121, 29.6555, 21.1887



6.2708, 6.2475, 6.8059



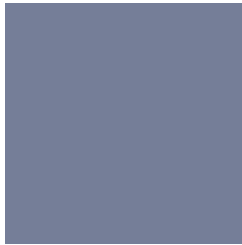
11.1769, 5.7250, 2.1904



0.1803, 0.0909, 0.1022

Previews

White Background



This preview shows how the XYZ color 20.4645, 20.9706, 32.6749 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 20.4645, 20.9706, 32.6749 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

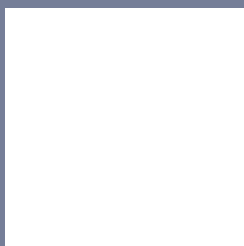
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4645, 20.9706, 32.6749

Background



This preview shows how black text looks on a background with the XYZ color 20.4645, 20.9706, 32.6749.

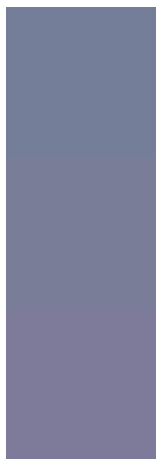


This preview shows how white text looks on a background with the XYZ color 20.4645, 20.9706,

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

20.4645, 20.9706, 32.6749

Protanopia

20.8047, 20.9665, 32.2286

Deuteranopia

21.2902, 20.8258, 33.0347



Tritanopia

19.3188, 20.8798, 27.4381

Trichromacy



Original Color

20.4645, 20.9706, 32.6749

Protanomaly

20.6653, 20.8947, 32.2221

Deuteranomaly

20.9835, 20.8528, 33.0560

Tritanomaly

19.6936, 20.8372, 29.3696

Monochromacy



Original Color

20.4645, 20.9706, 32.6749

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0024, 20.8819, 25.8980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4645, 20.9706, 32.6749 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(117, 126, 152)` looks like.

```
.text, #text, p{  
    color:rgb(117, 126, 152)  
}
```

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(117, 126, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 126, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.4645, 20.9706, 32.6749 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(117, 126, 152) }
```


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

```
.border{ border-color:rgb(117, 126, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 126, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 126, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 126, 152);  
box-shadow:4px 4px 4px 4px rgb(117, 126,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4645, 20.9706, 32.6749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 126, 152) }
```

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

```
.background{ background-color: rgb(117,  
126, 152) }
```

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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