

Converting Colors

XYZ(20.6561, 23.8918, 32.7187)

Have a look what the booklet for
XYZ(20.6561, 23.8918, 32.7187)
contains.

XYZ(20.6729, 23.9336, 32.8082)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.6729, 23.9336,
32.8082)**

Conversions

Conversions Part 1

Format	Color
Hex	688C97
RGB	104, 140, 151
RGB Percent	41%, 55%, 59%
CMY	0.5921, 0.4510, 0.4078
CMYK	0.31, 0.07, 0.00, 0.41
HSL	194°, 18%, 50%
HSV	194°, 31%, 59%
XYZ	20.6729, 23.9336, 32.8082
YIQ	130.4900, -24.9870, -4.2110

Conversions

Conversions Part 2

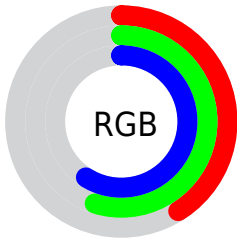
Format	Color
RYB	104, 124, 151
Decimal	6851735
CIELab	56.02, -9.74, -9.91
CIELCh	56, 13.895, 225.480
Yxy	23.9336, 0.2670, 0.3092
Android (android.graphics.Color)	4285041815 (0xFF688C97)
YUV	130.4900, 10.1114, -23.2317
Hunter-Lab	48.9220, -10.1849, -5.5158

Details

The XYZ color **20.6729, 23.9336, 32.8082** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.3922, 19.8404, 15.7993**, and the grayscale version is **21.3639, 22.4765, 24.4769**.

A 20% lighter version of the original color is **44.0215, 50.0593, 65.0998**, and **7.4777, 9.0167, 13.4029** is the 20% darker color. If you saturate the color by 10%, you get **18.5668, 22.0942, 32.5646**, and if you desaturate by 10%, it is **23.1109, 25.9699, 33.0732**.

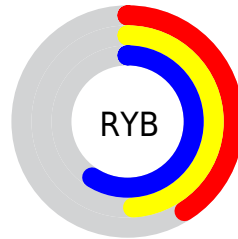
Distribution



Red (41%)

Green (55%)

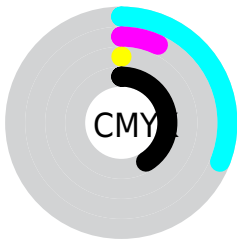
Blue (59%)



Red (41%)

Yellow (49%)

Blue (59%)

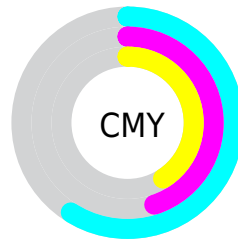


Cyan (31%)

Magenta (7%)

Yellow (0%)

Black (41%)



Cyan (59%)

Magenta (45%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6729, 23.9336, 32.8082 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 20.6729, 23.9336, 32.8082 by changing the saturation by 10% instead.

■ 20.6729, 23.9336,
32.8082

■ 20.6729, 23.9336,
32.8082

248.2997,
272.4846, 329.3901

■ 12.9962, 15.2844,
21.7096

■ 44.0379, 49.9218,
65.1885

■ 7.5029, 9.0192,
13.4474

■ 60.4569, 68.0296,
87.3074

■ 3.8277, 4.7537,
7.6030

■ 80.5208, 90.0590,
113.9367

■ 1.6051, 2.1035,
3.7579

■ 104.5948,
116.3945, 145.4951

■ 0.3957, 0.6666,
1.4935

133.0443,
147.4204, 182.4011

■ 0.0000, 0.0000,
0.2131

166.2348,

■ 0.0000, 0.0000,

183.5211, 225.0732

0.0000

204.5315,
225.0811, 273.9300

■ 20.6729, 23.9336,
32.8082

■ 20.6729, 23.9336,
32.8082

■ 18.5668, 22.0942,
32.5646

■ 23.1109, 25.9699,
33.0732

■ 16.7735, 20.4399,
32.3398

■ 25.8943, 28.2085,
33.3585

■ 15.2753, 18.9618,
32.1334

■ 29.0385, 30.6582,
33.6657

■ 14.0517, 17.6492,
31.9446

■ 32.5572, 33.3262,
33.9952

■ 13.0795, 16.4899,
31.7720

■ 36.4634, 36.2195,
34.3478

■ 12.3312, 15.4695,
31.6145

■ 40.7696, 39.3447,
34.7240

■ 11.7929, 14.6482,
31.4844

■ 45.4875, 42.7081,
35.1246

■ 50.6285, 46.3157,
35.5499

■ 56.2035, 50.1733,
36.0007

Harmonies

Analogous

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



19.9295, 23.9336, 28.4651



20.6729, 23.9336, 32.8082



21.9909, 23.9336, 35.4791

Triad

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



20.6729, 23.9336, 32.8082



25.8353, 23.9336, 28.3150



21.9426, 23.9336, 18.5052

Complementary

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



20.6729, 23.9336, 32.8082



21.3922, 19.8404, 15.7993

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.



23.5226, 23.9336, 18.4750



20.6729, 23.9336, 32.8082



25.8208, 23.9336, 23.7937

Square

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



20.6729, 23.9336, 32.8082



24.9964, 23.9336, 32.6874



24.9579, 23.9336, 20.3064



20.6389, 23.9336, 20.3944

Rectangle

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



20.6729, 23.9336, 32.8082



23.0412, 23.9336, 35.7740



24.9579, 23.9336, 20.3064



22.4577, 23.9336, 18.2853

Sweetspot

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



20.6736, 23.9346, 32.8088



47.4167, 51.3406, 59.8443



19.8686, 26.3138, 20.2420



10.6113, 11.5383, 13.5853



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.



20.6736, 23.9346, 32.8088



34.4629, 40.6448, 58.4625



17.6024, 17.7920, 31.7850



6.2620, 6.7814, 7.9079



10.0548, 12.5062, 26.7917



0.1770, 0.2404, 0.4094

Inverse Universe

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



22.4470, 18.3739, 27.1755



38.1984, 29.3919, 46.4933



24.4172, 25.8904, 16.8076



6.3994, 6.2989, 7.4832



13.5340, 6.6678, 14.6027



0.2158, 0.1051, 0.2894

Previews

White Background



This preview shows how the XYZ color 20.6729, 23.9336, 32.8082 looks on a white background.

Color Contrast Check

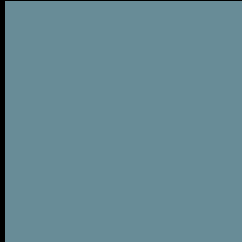
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6729, 23.9336, 32.8082 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 20.6729, 23.9336, 32.8082

Background



This preview shows how black text looks on a background with the XYZ color 20.6729, 23.9336, 32.8082.



This preview shows how white text looks on a background with the XYZ color 20.6729, 23.9336,

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

20.6729, 23.9336, 32.8082

Protanopia

23.3269, 23.8682, 30.9813

Deuteranopia

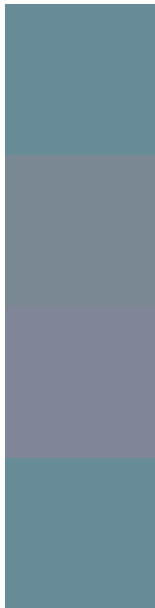
24.2136, 23.6684, 33.4293



Tritanopia

20.6729, 23.9336, 32.8082

Trichromacy



Original Color

20.6729, 23.9336, 32.8082

Protanomaly

22.1755, 23.8840, 31.4583

Deuteranomaly

22.7968, 23.7528, 33.0890

Tritanomaly

20.6729, 23.9336, 32.8082

Monochromacy



Original Color

20.6729, 23.9336, 32.8082

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.9977, 22.9501, 27.3679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6729, 23.9336, 32.8082 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(104, 140, 151)` looks like.

```
.text, #text, p{  
    color:rgb(104, 140, 151)  
}
```

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(104, 140, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 140, 151) }
```

Border

The CSS property to change the border of an element to XYZ 20.6729, 23.9336, 32.8082 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(104, 140, 151) }
```


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

```
.border{ border-color:rgb(104, 140, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 140, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 140, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 140, 151);  
box-shadow:4px 4px 4px 4px rgb(104, 140,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6729, 23.9336, 32.8082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 140, 151) }
```

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

```
.background{ background-color: rgb(104,  
140, 151) }
```

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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