

Converting Colors

XYZ(22.5560, 27.5745, 35.8511)

Have a look what the booklet for
XYZ(22.5560, 27.5745, 35.8511)
contains.

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Color

**XYZ(22.5696, 27.6001,
36.0361)**

Conversions

Conversions Part 1

Format	Color
Hex	64989D
RGB	100, 152, 157
RGB Percent	39%, 60%, 62%
CMY	0.6078, 0.4039, 0.3843
CMYK	0.36, 0.03, 0.00, 0.38
HSL	185°, 23%, 50%
HSV	185°, 36%, 62%
XYZ	22.5696, 27.6001, 36.0361
YIQ	137.0220, -32.5970, -9.4690

Conversions

Conversions Part 2

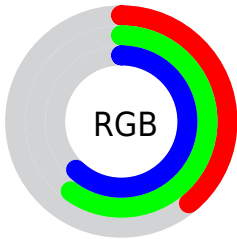
Format	Color
R_{YB}	100, 127, 157
Decimal	6592669
CIE _{Lab}	59.53, -15.92, -8.13
CIE _{LCh}	60, 17.874, 207.041
Yxy	27.6001, 0.2618, 0.3202
Android (android.graphics.Color)	4284782749 (0xFF64989D)
YUV	137.0220, 9.8492, -32.4683
Hunter-Lab	52.5358, -15.2533, -3.8940

Details

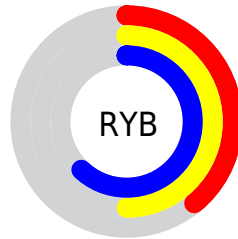
The XYZ color **22.5696, 27.6001, 36.0361** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.2569, 18.1918, 14.4484**, and the grayscale version is **23.7596, 24.9970, 27.2217**.

A 20% lighter version of the original color is **47.0918, 55.6684, 70.5504**, and **8.5218, 11.0009, 15.3099** is the 20% darker color. If you saturate the color by 10%, you get **20.7757, 26.3462, 35.8891**, and if you desaturate by 10%, it is **24.7024, 29.0339, 36.2009**.

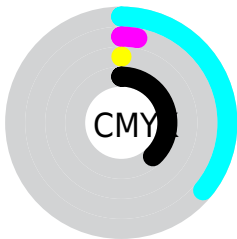
Distribution



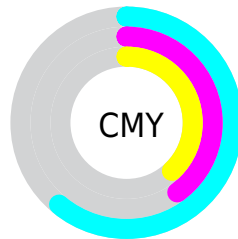
- Red (39%)
- Green (60%)
- Blue (62%)



- Red (39%)
- Yellow (50%)
- Blue (62%)



- Cyan (36%)
- Magenta (3%)
- Yellow (0%)
- Black (38%)



- Cyan (61%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5696, 27.6001, 36.0361 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 22.5696, 27.6001, 36.0361 by changing the saturation by 10% instead.

■ 22.5696, 27.6001,
36.0361

■ 22.5696, 27.6001,
36.0361

258.0834,
290.5511, 344.1605

■ 14.3950, 18.0244,
24.1722

■ 47.1575, 55.8453,
70.2575

■ 8.4794, 10.9675,
15.2480

■ 64.3015, 75.2837,
93.4520

■ 4.4576, 6.0450,
8.8451

■ 85.1660, 98.7784,
121.2604

■ 1.9641, 2.8725,
4.5448

■ 110.1164,
126.7139, 154.1013

■ 0.6137, 1.0655,
1.9287

139.5179,
159.4745, 192.3932

■ 0.0000, 0.0000,
0.5109

173.7360,

■ 0.0000, 0.0000,

197.4446, 236.5547

0.0000

213.1361,
241.0087, 287.0043

■ 22.5696, 27.6001,
36.0361

■ 22.5696, 27.6001,
36.0361

■ 20.7757, 26.3462,
35.8891

■ 24.7024, 29.0339,
36.2009

■ 19.2989, 25.2589,
35.7571

■ 27.1894, 30.6536,
36.3825

■ 18.1189, 24.3284,
35.6396

■ 30.0479, 32.4686,
36.5821

■ 17.2116, 23.5423,
35.5357

■ 33.2934, 34.4870,
36.8007

■ 16.5494, 22.8864,
35.4440

■ 36.9404, 36.7163,
37.0388

■ 16.0927, 22.3402,
35.3627

■ 41.0029, 39.1637,
37.2970

■ 15.9434, 22.1493,
35.3337

■ 45.4939, 41.8360,
37.5761

■ 50.4261, 44.7396,
37.8766

■ 55.8114, 47.8808,
38.1991

Harmonies

Analogous

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



22.1502, 27.6001, 29.4175



22.5696, 27.6001, 36.0361



23.9518, 27.6001, 41.6768

Triad

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



22.5696, 27.6001, 36.0361



30.0282, 27.6001, 37.2996



26.4568, 27.6001, 19.3101

Complementary

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



22.5696, 27.6001, 36.0361



21.2569, 18.1918, 14.4484

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.



28.6548, 27.6001, 20.8185



22.5696, 27.6001, 36.0361



30.7892, 27.6001, 30.6952

Square

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



22.5696, 27.6001, 36.0361



28.2469, 27.6001, 42.4764



30.2729, 27.6001, 24.7697



24.3173, 27.6001, 20.3223

Rectangle

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



22.5696, 27.6001, 36.0361



25.2759, 27.6001, 43.7966



30.2729, 27.6001, 24.7697



27.2141, 27.6001, 19.5334

Sweetspot

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



22.5704, 27.6012, 36.0367



51.2148, 56.5074, 65.3344



19.8501, 27.8386, 17.6253



11.1311, 12.3461, 14.3667



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.5704, 27.6012, 36.0367



37.6387, 47.4910, 64.3097



18.5184, 19.4971, 34.6861



6.7721, 7.4099, 8.4800



12.9623, 18.0162, 28.7015



0.2449, 0.3483, 0.5176

Inverse Universe

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



24.1300, 18.5502, 32.0157



40.9247, 28.9176, 55.7260



24.6273, 24.9325, 15.5718



6.8791, 6.7445, 8.2142



15.3410, 7.4410, 21.8445



0.2809, 0.1357, 0.4254

Previews

White Background



This preview shows how the XYZ color 22.5696, 27.6001, 36.0361 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 22.5696, 27.6001, 36.0361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

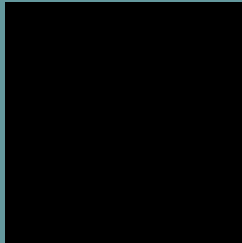
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.5696, 27.6001, 36.0361

Background



This preview shows how black text looks on a background with the XYZ color 22.5696, 27.6001, 36.0361.

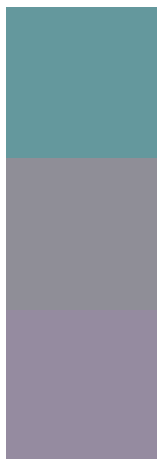


This preview shows how white text looks on a background with the XYZ color 22.5696, 27.6001,

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

22.5696, 27.6001, 36.0361

Protanopia

26.5866, 27.4200, 33.1695

Deuteranopia

27.9722, 27.3929, 37.0708



Tritanopia

23.1570, 27.6023, 38.7576

Trichromacy



Original Color

22.5696, 27.6001, 36.0361

Protanomaly

24.7811, 27.3697, 34.1138

Deuteranomaly

25.5913, 27.2750, 36.7167

Tritanomaly

22.8665, 27.4731, 37.8159

Monochromacy



Original Color

22.5696, 27.6001, 36.0361

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.0192, 25.6447, 30.1222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5696, 27.6001, 36.0361 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(100, 152, 157)` looks like.

```
.text, #text, p{  
    color:rgb(100, 152, 157)  
}
```

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(100, 152, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 152, 157) }
```

Border

The CSS property to change the border of an element to XYZ 22.5696, 27.6001, 36.0361 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(100, 152, 157) }
```


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

```
.border{ border-color:rgb(100, 152, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 152, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 152, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 152, 157);  
box-shadow:4px 4px 4px 4px rgb(100, 152,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5696, 27.6001, 36.0361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 152, 157) }
```

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

```
.background{ background-color: rgb(100,  
152, 157) }
```

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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